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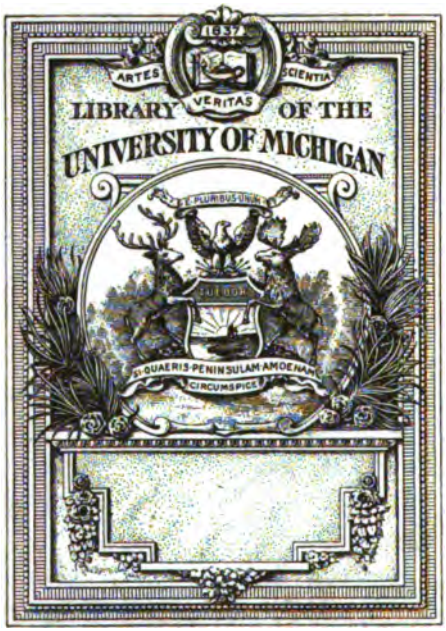
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OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the Various Departments,

1880-81

NEW HAVEN:
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS
1880

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ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

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1880		
16 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
30 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Friday	School of the Fine Arts, term begins.
7 Oct.	Thursday	First Term, Department of Medicine, begins
23 Dec.	Thursday	FIRST TERM ends.
	Winter Vacation of three weeks.	
1881		
13 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
9 Febr.	Wednesday	First Term, Department of Medicine, ends.
24 Febr.	Thursday	Second Term, Dep't. of Medicine, begins.
31 March	Thursday	Winter Term, Department of Law, ends.
7 April	Thursday	Junior Exhibition.
13 April	Wednesday	SPRING RECESS begins.
14 April	Thursday	Spring Term, Department of Law, begins.
20 April	Wednesday	SPRING RECESS ends.
6 May	Friday	Berkeley Scholarship Examination.
17, 18 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
19 May	Thursday	Anniversary, Department of Theology.
23 May	Monday	Woolsey Scholarship Examination begins.
23 May	Monday	Winthrop Prize Examination.
31 May	Tuesday	School of the Fine Arts, term ends.
24 June	Friday	DeForest Prize Speaking.
26 June	Sunday	Baccalaureate Sermon.
27 June	Monday	Presentation for Degrees, Academical Dep't.
28 June	Tuesday	Anniversary of the Society of Alumni.
28 June	Tuesday	Anniversary of the Sheffield Scientific School.
28 June	Tuesday	Anniversary of the Department of Law.
29 June	Wednesday	COMMENCEMENT.
30 June, 1, 2 July	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.
	Summer Vacation of eleven weeks.	
13, 14 Sept.	Tuesd., Wedn.	Examinations for admission.
15 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
29 Sept.	Thursday	Fall Term, Department of Law, begins.
6 Oct.	Thursday	First Term, Department of Medicine, begins.
22 Dec.	Thursday	FIRST TERM ends.

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Stowe Sawyer, B.A., University of Wisconsin	*Oconomowoc, Wisc.*	117 W.
Herman Mourus Schermerhorn, Union College	*Schenectady, N. Y.*	79 W.
Robert Mann Strickler, University of Virginia	*Philippi, W. Va.*	52 E.
Henry Albert Todd, B.A., Monmouth College	*Monmouth, Ill.*	50 E.
Henry Whitby, Brecon College	*Dowlais, South Wales*	121 W.
David Gourley Wylie, B.A., Geneva College	*Belle Center, O.*	120 W.

SUMMARY

Resident Licentiates,	2
Graduate Class,	5
Senior Class,	21
Middle Class,	34
Junior Class,	31
Total,	—93

DEPARTMENT OF MEDICINE

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HENRY FLEISCHNER, M.D., *Lecturer on Food and Poisons*
WILLIAM H. HOTCHKISS, M.D., *Demonstrator in Anatomy*

SENIOR CLASS

Henry William Allan	*New Haven*	121 York st.
William Henry Brinley	*New Haven*	27 Davenport av.
George Marland Bush	*New Haven*	132 Bradley st.
Charles Warren Dana	*New Haven*	26 Leonard st.
William Whitney Hawkes, B.A.	*New Haven*	65 Martin st.
James Ebenezer Stetson	*New Haven*	34 Prospect st.
Caryl Fenelon Seely White	*New Haven*	48 College st.
Walter Churchill Whiting	*Branford*	232 Crown st.

SENIOR CLASS, 8

MIDDLE CLASS

Walter Lonsdale Lea	*Virginia*	196 Crown st.
Walter Remington Nichols	*Branford*	Branford
Charles Edwin Park	*New Haven*	129 Olive st.
Dwight Alfonso Richardson	*Ansonia*	Ansonia

MIDDLE CLASS, 4

JUNIOR CLASS

Edwin Hamilton Bidwell	*Deep River*	464 Chapel st.
Walter Chauncey Camp, B.A.	*New Haven*	595 Chapel st.
William Henry Chittenden	*North Guilford*	154 Church st.
Timothy J. Dooley	*Hartford*	
George Tilton Doolittle	*New Haven*	219 Orange st.
Charles Fred. Linquist	*New Haven*	122 Olive st.
Edgar Sheffield Porter	*New Haven*	38 Hillhouse av.
William Randall Rowlands, M.A. Madison University	*Hamilton, N. Y.*	120 Chapel st.
Frederick Sumner Smith, B.A.	*New Haven*	78 Trumbull st.
John Edward West Thompson	*New York City*	69 High st.
Ralph Bruce Watkins	*South Manchester*	69 Church st.
Frank Henry Wheeler, B.A.	*New Haven*	29 Clinton av.
Rudolf Wurts, B.A.	*New Haven*	65 Whitney av.

JUNIOR CLASS, 13

SUMMARY

SENIOR CLASS,	8
MIDDLE CLASS,	4
JUNIOR CLASS,	13
TOTAL,	25

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Lecturer on Forensic Elocution

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Lecturer on Patent Law

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Librarian

GRADUATE STUDENTS

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Louis Hood, B.A., LL.B. Columbia College, Attorney at Law	*Newark, N. J.*	179 George st.
William DeWitt Kellogg, LL.B., Attorney at Law	*South Lee, Mass.*	25 White's B'ld'g
James Hodge McLean, LL.B., Attorney at Law	*Trenton, Ga.*	155 Elm st.
Miner Gibbs Norton, LL.B., PH.B. Mt. Union Coll., Att. at Law	*Jefferson, O.*	170 George st.
John Carlos Talcott, LL.B., B.A. Mt. Union Coll., Attorney at Law	*Jefferson, O.*	170 George st.

GRADUATE STUDENTS, 6

SENIOR CLASS

William Ward Bailey, B.A.	*New Haven*	200 Temple st.
John Barrett	*Middletown*	Middletown
John Pomeroy Bartlett, PH.B.	*New Britain*	16 N. S. H.
Edward Augustus Bowers, B.A.	*New Haven*	117 Crown st.
Sidney Elbridge Clark	*Hartford*	41 High st.
Livingston Warner Cleaveland	*Granby*	212 York st.
Murray Corrington, B.A. Knox College	*Peoria, Ill.*	111 Orange st.
Willard Anthony Davis	*Boston, Mass.*	72 High st.
Peter Doyle Attorney at Law	*Prairie du Chien, Wisc.*	New Haven Ho.
Willis Ira Fenn	*Meriden*	Meriden
Emerson Young Foote, PH.B.	*New Haven*	113 Chapel st.
Norman Norton Fowler, PH.B.	*Agawam, Mass.*	67 Mansfield st.
Oswin Hart Doolittle Fowler, PH.B.	*North Haven*	15 Home pl.
Abraham Lincoln Frisch	*Milwaukee, Wisc.*	494 Chapel st.
John Currier Gallagher, PH.B.	*New Haven*	21 Olive st.
William Arthur Gardner B.S. Chicago University	*Chicago, Ill.*	33 Prospect st.
Harry Alvan Hall	*St. Mary's, Pa.*	15 Home pl.
Edwin Cooper Haynie, B.A.	*Springfield, Ill.*	237 Orange st.
William Tarpley Hutchings Attorney at Law	*Danville, Va.*	238 York st.
Frank Eldridge Hyde, B.A.	*Hartford*	182 N.
Frank Wanzer Marsh, B.A.	*New Milford*	111 Orange st.
Charles Barton Matthewman	*New Haven*	14 Vernon st.
Allan Wallace Paige	*Danbury*	111 Orange st.
Terah Haggin Patterson	*Georgetown, Ky.*	87 Olive st.
Epaphroditus Peck	*Bristol*	67 Mansfield st.
Walter James Scott	*New Haven*	20 Downes st.
Edwin Allan Smith	*New Haven*	37 Ward st.
Winston John Trowbridge, B.A.	*New Haven*	221 Church st.
Harry Hinman Wadsworth	*Farmington*	168 George st.
Chapin Hall Wetmore	*Corry, Pa.*	18 Home pl.
Charles Putnam Woodbury, B.A. Attorney at Law	*Easton*	Norwalk

SENIORS, 31

JUNIOR CLASS

James Banks Allen	*Chicago, Ill.*	33 Prospect st.
John Arnold Amundson, B.A.	*Rochester, Minn.*	25 High st.
William Ransom Barbour, B.A.	*New Haven*	44 High st.
Rosser Daniel Bohannan, B.S. and C.E. Univ. of Virginia	*Mathews Court House, Va.*	161 York st.
Jacob Edward Emery, PH.B.	*Fair Haven*	17 Crown st.
Simon Wilmer Fuller	*Philadelphia, Pa.*	67 w.
Eugene Lionel Gilbert	*Savannah, Ga.*	168 George st.
Henry Charles Gussman	*New Britain*	New Britain.
John Slosson Harding, B.A.	*Wilkes Barre, Pa.*	90 High st.
Frank Waite Hatch, B.A. Ill. Industrial Univ.	*English Prairie, Ill.*	128 High st.
William Thorne Haviland, B.A.	*Bridgeport*	49 Grove st.
Sherman Hartwell Hubbard	*Bridgeport*	49 Grove st.
Walter Simeon Judd	*Litchfield*	153 Crown st.
Frederic William Keator, B.A.	*Moline, Ill.*	458 Chapel st.
Winthrop Hoyt Perry, B.A.	*Southport*	131 Temple st.
Edward Freeman Porter, PH.B.	*Stowe, Vt.*	238 York st.
John Bliss Porter, B.A.	*New Haven*	35 College st.
Thomas Edward Rochfort, B.A.	*Fairfield*	Fairfield.
Samuel Rodman Robinson	*Wakefield, R. I.*	36 Court st.
George Bliss Rogers, PH.B.	*Cambridge, Mass.*	87 Olive st.
Nelson Royal	*Coventry*	120 High st.
Arthur Mortimer Taft	*East Douglass, Mass.*	128 High st.
Henry Trowbridge, Jr., B.A.	*New Haven*	41 College st.
Charles Edward Vosburg	*Warren, Pa.*	18 Home pl.
Eugene Winston Walker, B.A.	*Richmond, Ky.*	35 College st.
Edwin Carrington Ward, B.A.	*Farmington*	458 Chapel st.
George Dutton Watrous, B.A.	*New Haven*	63 Whitney av.

JUNIORS, 27

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GRADUATE STUDENTS

William Edward Athearn, B.A. Williams College	*West Tisbury, Mass.*	67 Church st.
Otis Elihu Atwater, B.A.	*New Haven*	34 S. M.
Rogers Clark Ballard, PH.B.	*Louisville, Ky.*	92 W.
John Pomeroy Bartlett, PH.B.	*New Britain*	16 S. H.
Harry Lane Bruner, B.A. Abingdon College	*Abingdon, Ill.*	169 Temple st.
Charles Sumner Burt, U. S. Military Acad., West Point	*Marquette, Mich.*	114 College st.
Henry Osborn Carrington, PH.B.	*New Haven*	527 Chapel st.
William James Comstock, PH.B.	*Toledo, O.*	167 Crown st.
John Howard Cromwell, PH.B.	*Cranford, N. J.*	6½ York sq.
Gabriel Engelsman, B.A. College of the City of New York	*New Haven*	151 Meadow st.
Herbert Russell Gibbs, B.A. Williams College	*Cambridge, Mass.*	109 Orange st.
William Montague Hall, B.A.	*Ashfield, Vt.*	156 Olive st.
Henry Allen Hazen, M.A. Dartmouth College	*New Haven*	298 Chapel st.
William Hale Herrick, M.A. Williams College	*Grinnell, Iowa*	90 Whalley av.
Alfred Edwards Hooker, B.A.	*New Haven*	62 Prospect st.
William Forrest Hutchison, B.A.	*Norwich*	464 Chapel st.
Edmund Morris Hyde, M.A. Trinity College	*Cheshire*	Cheshire
Colin Macrae Ingersoll, PH.B.	*New Haven*	85 Trumbull st.
Joseph Frederick Klein, D.E.	*New Haven*	86 Nichols st.
Benjamin Franklin Koons, B.A. Oberlin College	*Sulphur Springs, O.*	36 Court st.
Samuel Waldron Lambert, B.A.	*New York City*	90 High st.
Calvin McCormick, B.A. Franklin Coll., Ind.	*Franklin, Ind.*	215 York st.
Sidney Catlin Partridge, B.A.	*Brooklyn, N. Y.*	34 E.
Dwight Porter, PH.B.	*Hartford*	14 S. H.
Horatio McLeod Reynolds, B.A.	*New Haven*	25 High st.
William Randall Rowlands, M.A. Madison University	*Hamilton, N. Y.*	120 Chapel st.
Frederick Sumner Smith, B.A.	*New Haven*	78 Trumbull st.
Heman Bangs Smith, M.D.	*Westville*	Westville
Ambrose Tighe, B.A.	*Brooklyn, N. Y.*	70 N. M.

GRADUATE STUDENTS, 29

UNDERGRADUATE ACADEMICAL DEPARTMENT

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EDMUND ZACHER, LL.B.
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WEBSTER MERRIFIELD, B.A.
CHARLES C. CAMP, B.A.
JOHN S. THACHER, M.D.
ALFRED L. RIPLEY, B.A.

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Frederic Adler	*Milwaukee, Wisc.*	12 S.
Edwin Edgerton Aiken	*Rutland, Vt.*	156 F.
Benjamin Wisner Bacon	*Norwich*	6 S.
John Hampton Barnes	*Pittsburgh, Pa.*	225 D.
Danford Newton Barney	*Farmington*	230 D.
Philip Golden Bartlett	*Washington, D. C.*	24 S.
Russell Anson Bigelow	*New Haven*	156 F.
Arthur Elmore Bostwick	*Litchfield*	4 S.
John Eliot Bowen	*Brooklyn, N. Y.*	24 S.
Edward Paul Brandt	*Farmington*	169 F.
William Joseph Brewster	*New Haven*	26 S.
Walter Ray Bridgman	*Cleveland, O.*	9 S.
Otis Hayford Briggs	*Auburn, Me.*	1 S.
Isaac Bromley	*New Haven*	133 F.
Herbert Stanley Brown	*South Norwalk*	6 S.
Joseph Dunn Burrell	*Freeport, Ill.*	9 S.
Daniel Arthur Carpenter	*Afton, N. Y.*	4 S.
Clarence Franklin Carroll	*New Haven*	10 S.
Harry Quinton Cleneay	*Cincinnati, O.*	220 D.
Charles Porter Coffin	*Batavia, Ill.*	10 S.
John Caldwell Coleman	*New York City*	124 N.
John Burnett Collins	*St. Joseph, Mo.*	131 F.
Howard Junior Curtiss	*Stratford*	11 S.
Joseph Benjamin Dimmick	*Honesdale, Pa.*	31 S.
Ephraim Williams Dixon	*Brooklyn, N. Y.*	29 S.
John Mowe Drysdale	*Yonkers, N. Y.*	235 D.
Andrew Penrose Lusk Dull	*Harrisburg, Pa.*	35 College st.
Henry Strong Durand	*Rochester, N. Y.*	144 F.
John Stewart Durand	*Rochester, N. Y.*	144 F.
Charles Abbott Schneider Dwight	*Englewood, N. J.*	124 N.
Waldo Chapin Eames	*Providence, R. I.*	220 D.
Levi Abraham Eliel	*Chicago, Ill.*	154 F.
Edward Thomas Evans	*Pittsburgh, Pa.*	450 Chapel st.
Sherman Evarts	*New York City*	12 S.
Henry Rupert Ewing	*Pittsburgh, Pa.*	464 Chapel st.
Frank Miller Fargo	*Chicago, Ill.*	135 F.
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Edward Hooker Gilbert	*Ware, Mass.*	234 D.
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Edward Buttrick Graves	*New Haven*	149 F.
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William Lammon Harkness	*Bellevue, O.*	146 F.
Ernest Eldred Hart	*Council Bluffs, Iowa*	27 S.
Louis Bevier Hasbrouck	*Rondout, N. Y.*	233 D.
Louis Condit Hay	*New York City*	229 D.
Charles Arthur Heald	*Orange, N. J.*	234 D.
Frederic Duncan Helmer	*Pike, N. Y.*	15 S.
Cyrus Foss Hill	*New Haven*	183 George st.
William Burr Hill	*New Haven*	183 George st.
Robert Clark Hine	*Stamford*	8 S.
Henry Hitchings	*Gravesend, N. Y.*	8 S.
Charles Wittenberg Holzheimer	*Elmira, N. Y.*	154 F.
George Henry Hubbard	*Woodmont*	181 L.
George Edward Ide	*Brooklyn, N. Y.*	230 D.
James Warren Ingalls	*Putnam*	181 L.
George Snow Isham	*Chicago, Ill.*	227 D.
Henry Ives	*New Haven*	31 S.
Henry Pierson Johnes	*Newburgh, N. Y.*	147 F.
George Marsh Judd	*Newtown*	15 S.
Benjamin Bissell Lamb	*Chicago, Ill.*	219 D.
James Leighton	*Glenburn, Pa.*	14 S.
Allen Bennett Lincoln	*Willimantic*	11 S.
Frank Newton Loomis	*Granby*	16 S.
William Maltby Lovering	*Taunton, Mass.*	228 D.
Frank Benjamin Lucas	*Poquetannock*	177 Chapel st.
Calvin Stewart McChesney	*Pittstown, N. Y.*	13 S.
Richard Hays McDonald	*San Francisco, Cal.*	235 D.
John Ryan McKee	*Pittsburgh, Pa.*	71 N. M.
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John Wesley Manning	*Fair Haven*	20 S.
John Francis Merrill	*Rutland, Vt.*	146 F.
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Thaddeus Halsted Myers	*Yonkers, N. Y.*	28 S.
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Frederick Pickersgill	*Pittsburgh, Pa.*	147 F.

Wilson Howard Pierce	*Brookfield Center*	3 S.
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George Barclay Preston	*Pittsburgh, Pa.*	225 D.
Francis Esty Rice	*Framingham, Mass.*	152 F.
Harris Richardson	*Janesville, Wisc.*	132 F.
Arthur Heyward Ripley	*New York City*	134 F.
Lawrence Rolfe	*Auburn, Me.*	106 N.
Charles Burton Schram	*Milwaukee, Wisc.*	1 S.
Frederick Seymour	*Whitney's Point, N. Y.*	30 S.
James Sheldon	*New York City*	124 High st.
George Bliss Silliman	*East Haddam*	23 S.
Edward Lewis Simonds	*New Orleans, La.*	134 F.
John Clark Smith	*New Haven*	103 N.
Henry Hezekiah Sprague	*Newark, O.*	204 D.
Frederic Haile Stebbins	*Springfield, Mass.*	7 S.
Arthur Griffin Stedman	*New York City*	155 F.
Willis Betts Sterling	*Cleveland, O.*	228 D.
Isaac Thomas	*West Chester, Pa.*	200 Crown st.
Norman Frederick Thompson	*Rockford, Ill.*	32 S.
Francis Herbert Tichenor	*Parishville, N. Y.*	13 S.
Edward Staats DeGrote Tompkins	*Kinderhook, N. Y.*	72 N. M.
Henry Nelson Tuttle	*Chicago, Ill.*	229 D.
Edward Lambert Twombly	*Boston, Mass.*	151 F.
Edwin Stewart Underhill	*Bath, N. Y.*	23 S.
Adrian Sebastian Van de Graaff	*Los Angeles, Cal.*	157 F.
Frederic Richardson Vernon	*Brooklyn, N. Y.*	226 D.
Howard Talbot Walden	*Brooklyn, N. Y.*	29 S.
William Reid Walker	*Skull Shoals, S. C.*	177 Chapel st.
George Martin Wallace	*Wallingford*	105 N.
Pinckney Alston Waring	*Savannah, Ga.*	169 F.
Everett Warren	*Scranton, Pa.*	14 S.
Eben Hale Wells	*Chicago, Ill.*	152 F.
George Wakeman Wheeler, Jr.	*Hackensack, N. J.*	11 S.
Sherman Leland Whipple	*New London, N. H.*	141 F.
Henry Charles White	*New Haven*	157 F.
Lasell Hayden White	*Richmondville, N. Y.*	494 Chapel st.
Charles Octavius Whitmore	*Farmington*	226 D.
George Woolsey	*New Haven*	250 Church st.
James Edwin Zunts	*New Orleans, La.*	16 S.

SENIORS, 130

JUNIOR CLASS

Frank Frost Abbott	*Redding*	168 F.
James Ferguson Allen	*New Haven*	173 F.
Martin Smith Allen	*Brooklyn, N. Y.*	211 D.
Albert Hoffman Atterbury	*Trenton, N. J.*	123 N.
Walter Irving Badger	*Boston, Mass.*	158 F.
William Elder Bailey	*Harrisburg, Pa.*	216 D.
Harry Rudolph Baltz	*Philadelphia, Pa.*	221 D.
Erwin Hinckley Barbour	*Oxford, O.*	108 N.
Henry Weldon Barnes	*Pittsburgh, Pa.*	232 D.
Floyd Julius Bartlett	*Warsaw, N. Y.*	231 D.
Mortimer Stratton Bate	*Brooklyn, N. Y.*	202 D.
Robert Parker Bates	*Bennington, Vt.*	162 F.
Morgan Hawley Beach	*Alexandria, Va.*	238 D.
John Fred Beede	*Meredith Village, N. H.*	104 N.
Samuel Bennett, Jr.	*White Hall, Ky.*	174 F.
Cyrus Bentley, Jr.	*Chicago, Ill.*	224 D.
Charles Kingsbury Billings	*New York City*	208 D.
John Remsen Bishop	*New Brunswick, N. J.*	176 F.
Charles Edward Blumley	*Norwich*	73 N. M.
George Shepard Boltwood	*New Haven*	77 Wall st.
Benjamin Brewster	*New Haven*	170 F.
Ferree Brinton	*Philadelphia, Pa.*	238 D.
Fred John Brockway	*Hopkinton, N. H.*	104 N.
Nathaniel Richardson Bronson	*Waterbury*	100 N.
Wayland Irving Bruce	*Poughkeepsie, N. Y.*	213 D.
James Alexander Campbell	*St. Louis, Mo.*	218 D.
Charles Blackwell Case	*Three Bridges, N. J.*	164 F.
David Anderson Chenault, Jr.	*Richmond, Ky.*	174 F.
William Churchill	*New Haven*	69 N. M.
Stephen Merrill Clement, Jr.	*Buffalo, N. Y.*	129 F.
Edwin Bradford Cragin	*Colchester*	138 F.
Bryan Cumming	*Augusta, Ga.*	138 F.
George Edward Curtis	*Birmingham*	165 F.
Theodore Cuyler	*Philadelphia, Pa.*	223 D.
Frederick Orren Darling	*New York City*	224 D.
Edwin Lynde Dillingham	*Bangor, Me.*	222 D.
Charles Gibbons Douw	*Poughkeepsie, N. Y.*	232 D.
Franklin Maynard Eaton	*St. Stephens, N. B.*	216 D.
James Richard Ely	*New York City*	26 S.
William Phelps Eno	*New York City*	204 D.
Frank Cooley Farwell	*Chicago, Ill.*	223 D.
Augustine FitzGerald	*Litchfield*	206 D.
Carlton Alexander Foote	*New Haven*	347 Howard av.

Wilbur Harvey Nash Ford	*Milford*	25 Park st.
Burnside Foster	*Boston, Mass.*	217 D.
Asa Palmer French	*Braintree, Mass.*	218 D.
Joseph Emanuel Friend	*Milwaukee, Wisc.*	489 Chapel st.
Harry Chambers Fries	*Philadelphia, Pa.*	221 D.
Frank Runyon Gallaher	*Brooklyn, N. Y.*	237 D.
Henry Washburn Gardes	*New Orleans, La.*	74 High st.
Charles Burr Graves	*New London*	108 N.
George Heber Graves	*New Haven*	170 F.
Chauncey Milton Griggs	*St. Paul, Minn.*	161 F.
Herbert Stanton Griggs	*St. Paul, Minn.*	161 F.
Alfred Chapman Hand	*Honesdale, Pa.*	142 F.
John Russell Hanlon	*Pennington, N. J.*	73 N. M.
George Edward Haskell	*New Bedford, Mass.*	145 F.
Charles Burnell Hawkes	*New Haven*	65 Martin st.
Charles Samuel Hebard	*Pequaming, Mich.*	140 F.
Theodore Holland	*New York City*	155 Elm st.
Samuel Cornell Hopkins	*Catskill, N. Y.*	155 Elm st.
Henry Clarke Jefferds	*Bangor, Me.*	222 D.
Barclay Johnson	*New York City*	139 F.
Frank Albert Kellogg	*New Haven*	185 Crown st.
John Prescott Kellogg	*Waterbury*	206 D.
James Henry Kingman	*New Bedford, Mass.*	145 F.
David Kinlay, Jr.	*Andover, Mass.*	107 N.
Alfred Beard Kittredge	*East Jaffrey, N. H.*	208 D.
Howard Hoyt Knapp	*South Norwalk*	158 F.
George William Lay	*Easton, Md.*	90 N. M.
Charles Henry Lewis	*Naugatuck*	213 D.
Tun Yen Liang	*Canton, China*	85 N. M.
Charles Jonas Long	*Wilkes Barre, Pa.*	176 F.
Seymour Crane Loomis	*Suffield*	305 Orange st.
Martin Lovering	*Harvard, Mass.*	76 N. M.
Fred. Messenger Low	*Fitchburg, Mass.*	148 F.
Chester Wolcott Lyman	*New Haven*	129 F.
Enoch Wilber McBride	*Goshen, N. Y.*	130 F.
Harry Chapman McKnight	*Ellington*	87 N. M.
Daniel Walton McMillan	*Philadelphia, Pa.*	131 F.
Herbert Lyman Moodey	*Brooklyn, N. Y.*	202 D.
Charles Newton Morris	*West Hartford*	172 F.
Walter Murphy	*Philadelphia, Pa.*	148 F.
Arthur Sherwood Osborne	*New Haven*	156 Crown st.
Frank Edward Page	*Bath, Me.*	162 F.
Josiah Culbert Palmer	*Brooklyn, N. Y.*	231 D.
William Scranton Pardee	*New Haven*	327 George st.
Samuel Maxwell Parke	*Pittston, Pa.*	164 F.
William Henry Parsons, Jr.	*Rye, N. Y.*	237 D.
Chauncey Howard Pember	*Rockville*	214 D.
Richard Henry Pierce	*Hopkinton, Mass.*	214 D.

Henry Barstow Platt	*Owego, N. Y.*	130 F.
William Pollock	*Pittsfield, Mass.*	203 D.
Julius Howard Pratt, Jr.	*Montclair, N. J.*	90 N. M.
James Quackenbush Rice	*Goshen*	163 F.
Charles Edward Richards	*Keene, N. H.*	142 F.
George Parker Richardson	*Bath, Me.*	201 D.
Robert Mayo Rolfe	*Auburn, Me.*	106 N.
John Rossiter	*North Guilford*	87 N. M.
Benjamin Huger Rutledge	*Charleston, S. C.*	109 Elm st.
Daniel Sammis Sanford	*Redding Ridge*	168 F.
Arthur Scranton	*Scranton, Pa.*	7 Library st.
Charles Locke Scudder	*Great Barrington, Mass.*	172 F.
William Seymour	*Newington*	167 F.
Caleb Wright Shipley	*Cincinnati, O.*	239 D.
Levi Ives Shoemaker	*Wilkes Barre, Pa.*	173 F.
Charles Mather Sholes	*Newport, N. H.*	211 D.
Edward Vernon Silver	*Brooklyn, N. Y.*	177 F.
Lewis Mann Silver	*Brooklyn, N. Y.*	177 F.
Clarence Austin Smith	*Birmingham*	166 F.
Edward Eugene Smith	*Hartford*	76 N. M.
Frank Hiram Snell	*Washington, D. C.*	212 D.
Henry Speke Snyder	*Philadelphia, Pa.*	301 Elm st.
Charles Stillman	*New York City*	159 F.
Charles Bigelow Storrs	*New York City*	143 F.
Howard Peck Sweetser	*New York City*	239 D.
Bernard Titche	*Rayville, La.*	165 F.
Will Loujeay VanKirk	*Pittsburgh, Pa.*	A.
William Grandin Vought	*Buffalo, N. Y.*	217 D.
Tracy Waller	*New London*	159 F.
Daniel B. Weaver	*Lancaster, Pa.*	166 F.
Edward Odell Weed	*New York City*	212 D.
Archibald Ashley Welch	*Hartford*	215 D.
Martin Welles	*Newington*	163 F.
John Lewis Wells	*Fayetteville, N. Y.*	139 F.
Thomas McDonnell Wentworth	*Racine, Wisc.*	98 N.
Joseph Ernest Whitney	*Cornwall*	143 F.
Charles Albert Wight	*North Hatfield, Mass.*	98 N.
Emmet Smith Williams	*Meriden*	215 D.
Harry Lucien Williams	*Northampton, Mass.*	201 D.
Franklin Eldred Worcester	*Albany, N. Y.*	141 F.
Arthur Bethuel Wright	*New Haven*	226 York st.

JUNIORS, 132

SOPHOMORE CLASS

John Lanson Adams	*Westport*	82 N. M.
Loring William Andrews	*New York City*	65 W.
Selden Bacon	*Norwich*	233 York st.
Royal Sherwood Banks	*Fairfield*	68 N. M.
Francis Gibbons Beach	*New Haven*	124 Temple st.
Charles Seidles Beck, Jr.	*Wilkes Barre, Pa.*	494 Chapel st.
Edward A. Beddall	*Port Carbon, Pa.*	57 S. M.
Frank Herbert Beede	*Dover, N. H.*	34 S. M.
Nelson William Bell	*New York City*	40 S. M.
Richard Mervin Bissell	*Chicago, Ill.*	37 S. M.
Lucius Boltwood	*New Haven*	77 Wall st.
George Hill Bottome	*New York City*	116 N.
Edward Gaylord Bourne	*Sharon*	66 N. M.
Henry Eldridge Bourne	*Sharon*	66 N. M.
Arthur Eugene Bowers	*North Manchester*	120 Dwight st.
Austin Lord Bowman	*South Windsor*	81 N. M.
George Ernest Bowman	*South Windsor*	81 N. M.
Eckard Payson Budd	*Mount Holly, N. J.*	188 C.
David Hillhouse Buel	*Yonkers, N. Y.*	50 S. M.
Charles Winslow Burpee	*Rockville*	193 C.
Charles Hudson Burr	*Bloomington, Ill.*	40 S. M.
George Lorenzo Burton	*New Haven*	555 Howard av.
Frederic Sanford Calhoun	*New Haven*	46 Trumbull st.
Henry Warner Calhoun	*New York City*	64 W.
William Patterson Cantwell, Jr.	*Malone, N. Y.*	63 S. M.
Woolsey Carmalt	*New York City*	41 High st.
Albert Carr	*Collinsville*	114 N.
George Prentiss Carroll	*Westville*	91 N. M.
Henry Carver	*Doylestown, Pa.*	116 N.
Livingston Reade Catlin	*New York City*	82 N. M.
Francis Davis Chamberlain	*West Chester, Pa.*	115 W.
Hong Yen Chang	*Hiang Shan, China*	458 Chapel st.
Henry Morton Chase	*Syracuse, N. Y.*	86 Grove st.
Samuel Beresford Childs	*East Hartford*	86 Grove st.
Mun Yew Chung	*Hiang Shan, China*	458 Chapel st.
Charles Cameron Clarke, Jr.	*Sing Sing, N. Y.*	203 York st.
Gilbert Colgate	*Orange, N. J.*	101 N.
Charles Farnham Collins	*Newport, R. I.*	450 Chapel st.
Robert Harrison Cornish	*Gillette, N. J.*	65 N. M.
Arthur Bradford Cornwall	*New Haven*	43 Dwight pl.
Charles Rogers Corwith	*Chicago, Ill.*	46 S. M.
John Franklin Craul	*Kralltown, Pa.*	34 S. M.
George Cromwell	*Brooklyn, N. Y.*	450 Chapel st.

Frank Cunningham	*New York City*	494 Chapel st.
Edward Cornelius Cuyler	*Albany, N. Y.*	458 Chapel st.
Arnold Guyot Dana	*New Haven*	24 Hillhouse av.
Thomas Herbert DeForest	*Birmingham*	58 W.
Laurent Clerc Deming	*Hartford*	39 S. M.
Edward Nelson Dingley	*Lewiston, Me.*	7 Library st.
Maurice Edwards Dunham	*Edgartown, Mass.*	61 S. M.
Everett James Esselstyn	*Hollowville, N. Y.*	190 C.
Seward Henry Fields	*Atlanta, Ill.*	458 Chapel st.
Arthur Lyman Fisk	*Northampton, Mass.*	61 S. M.
Henry Edward Fisk	*Chicago, Ill.*	215 Crown st.
Charles Northrup Flint	*Port Henry, N. Y.*	189 C.
Henry Titus Folsom	*Orange, N. J.*	210 D.
Charles Jenkins Foote	*New Haven*	176 York st.
Charles Seward Foote	*Port Henry, N. Y.*	50 S. M.
Henry Anthon Forchheimer	*Mobile, Ala.*	6 Orange st.
Robert Aldrich Fosdick	*Stamford*	58 W.
Elihu Brintnal Frost	*Peekskill, N. Y.*	97 N.
Herbert Loring Frost	*Cleveland, O.*	134 College st.
John William Galbraith	*Erie, Pa.*	64 S. M.
William Gardner	*Fayetteville, N. Y.*	65 N. M.
Stephen Leonard Geisthardt	*Preston*	68 N. M.
William Irwin Grubb	*Cincinnati, O.*	75 N. M.
Charles Harris Hall	*Binghamton, N. Y.*	47 S. M.
Charles Halsey	*Brooklyn, N. Y.*	450 Chapel st.
Clifford Dudley Ham	*Dubuque, Iowa*	57 S. M.
Charles William Harkness	*Cleveland, O.*	45 S. M.
Benjamin Vincent Harrison	*Montclair, N. J.*	137 College st.
Irving Warren Hart	*Southington*	25 Prospect st.
Frederick William Havens	*Bridgeport*	1 TR.
Samuel Newhall Hawkes	*New Haven*	65 Martin st.
Victor Emanuel Helleberg	*Cincinnati, O.*	88 N. M.
Harry Roberts Hillard	*Wilkes Barre, Pa.*	33 S. M.
Lord Butler Hillard	*Wilkes Barre, Pa.*	44 S. M.
Tuthill Reynolds Hillard	*Wilkes Barre, Pa.*	33 S. M.
Horace George Hoadley	*New Haven*	191 C.
William James Holly	*Philadelphia, Pa.*	92 N. M.
Wilber Eugene Houpt	*Somerset, N. Y.*	63 S. M.
Charles Goodrich Hower	*Cleveland, O.*	140 F.
Henry Martyn Hoyt	*Kingston, Pa.*	2 S.
Louis Kossuth Hull	*Lebanon*	209 D.
Thomas D. Husted	*Peekskill, N. Y.*	101 N.
Leland Howard Ives	*Meriden*	109 Elm st.
George Conkling Jennings	*Cleveland, O.*	62 S. M.
Samuel Rountree Jewett	*Chicago, Ill.*	464 Chapel st.
George Washington Johnston	*Frankfort, Ky.*	62 S. M.
Daniel Albion Jones	*Fair Haven*	136 College st.
Francis Bartlett Kellogg	*Avon*	2 S.

Fred William Kellogg	*Red Wing, Minn.*	194 C.
Clifford Stephen Kelsey	*Bridgeport*	180 L.
Charles Martin Kendall	*Angelica, N. Y.*	117 York st.
Sheldon Quayle Kerruish	*Cleveland, O.*	55 S. M.
Daniel Stimson Knowlton	*Biddeford, Me.*	242 York st.
Harry Woodville Latham	*Bridgeport*	38 S. M.
Fred Churchill Leonard	*Spring Mills, N. Y.*	191 C.
Carll Andrews Lewis	*New Haven*	258 George st.
Joseph McKeen Lewis	*New York City*	125 High st.
Allyn Cooke Loomis	*Windsor*	84 N. M.
Charles Loughridge	*Oskaloosa, Iowa*	193 C.
George Henry Anderson Lyford	*Cincinnati, O.*	187 C.
George Stanley Lynde	*Bangor, Me.*	115 W.
Oliver McKee	*Brooklyn, N. Y.*	43 S. M.
Edward Tompkins McLaughlin	*Litchfield*	194 C.
William Hutchinson Merrill	*Brooklyn, N. Y.*	174 Orange st.
Samuel Martin Kier Mitchell	*Pittsburgh, Pa.*	65 W.
Cleveland Langston Moffett	*Newton, N. J.*	34 S. M.
Eliakim Hastings Moore, Jr.	*Cincinnati, O.*	187 C.
John Atwood Moore	*St. Louis, Mo.*	62 W.
Augustus Tracy Morgan	*Binghamton, N. Y.*	190 C.
Marcus Morton, Jr.	*Andover, Mass.*	62 W.
Joseph Horton Nelson	*Aurora, Ill.*	37 S. M.
Walter Eben Nettleton	*Stockbridge, Mass.*	39 S. M.
Isaac Burkett Newton	*Norwich, N. Y.*	38 S. M.
Harry Herbert Palmer	*Sioux City, Iowa*	192 C.
Joseph Robinson Parrott	*Oxford, Me.*	59 S. M.
Dudley Phelps	*New York City*	81 W.
Francis Johnson Phelps	*Andover, Mass.*	64 S. M.
John Jay Phelps	*Englewood, N. J.*	87 W.
John Pierpont	*New Haven*	91 N. M.
Samuel Ball Platner	*Newark, N. J.*	53 S. M.
Albert Henry Pratt	*Brooklyn, N. Y.*	97 N.
Austin Roe Preston	*Buffalo, N. Y*	64 W.
William Price	*Pottstown, Pa.*	92 N. M.
James Frank Raymond	*Brooklyn, N. Y.*	89 W.
David Farnam Read	*Bridgeport*	180 L.
Edward Adams Richardson	*Groton, Mass.*	113 N.
Frederick William Rogers	*Cambridge, Mass.*	46 S. M.
Robert Cameron Rogers	*Buffalo, N. Y.*	60 S. M.
Joseph James Rose	*Bridgeport*	1 TR.
Edward Barteau Sargent	*Cincinnati, O.*	60 W.
Linton Satterthwait	*Trenton, N. J.*	84 N. M.
Andrew Linn Sawyer	*New Haven*	150 College st.
Rollin Augustus Sawyer, Jr.	*New Haven*	150 College st.
Frederick David Shaffer	*Cincinnati, O.*	48 S. M.
Stanley Shaffer	*Cincinnati, O.*	48 S. M.
Charles Colebrook Sherman	*Syracuse, N. Y.*	53 S. M.

Henry Warner Slocum, Jr.	*Brooklyn, N. Y.*	63 W.
Albert Edward Smith	*North Haven*	136 College st.
Clarence Melbury Smith	*Clifton, N. Y.*	117 York st.
Edward Everett Smith	*Birmingham*	192 C.
Herbert Rodgers Smith	*Norwalk*	44 Elm st.
Warren Weston Smith	*New York City*	186 C.
Thomas Shepard Southworth	*West Springfield, Mass.*	54 S. M.
Frank Penrose Sproul	*Pittsburgh, Pa.*	63 W.
Frank Burton Stevens	*Dover, N. H.*	88 N. M.
William Kerper Stevens	*Reading, Pa.*	47 S. M.
William Hamilton Stockwell	*Orange, N. J.*	4 Library st.
Horatio Odell Stone	*Chicago, Ill.*	210 D.
Henry Hastings Strong	*Westfield, Mass.*	59 S. M.
Albert Edmond Symington	*New York City*	56 S. M.
Horace Dutton Taft	*Cincinnati, O.*	75 N. M.
Frank Corning Tanner	*Norwich Town*	182 L.
John Prentice Terry	*Brooklyn, N. Y.*	119 N.
Sherman Day Thacher	*New Haven*	155 Crown st.
Henry Czar Merwin Thomson	*New Haven*	139 George st.
Joseph Parker Trowbridge	*New Haven*	41 College st.
William Trumbull	*Valparaiso, Chili*	242 York st.
Denison Baldwin Tucker	*New Haven*	233 York st.
Harold Vernon	*Brooklyn, N. Y.*	55 S. M.
Frederic Denison Ward	*New York City*	101 W.
John Elton Wayland	*New York City*	101 W.
William Warren Weeks	*Havre, France*	186 C.
John Charles Fremont Wheelock	*Mendon, Mass.*	113 N.
Clarence Wetherill Wilson	*Buffalo, N. Y.*	60 S. M.
Kae Kah Wong	*Foochow, China*	44 Elm st.
John Butler Woodward	*Wilkesbarre, Pa.*	44 S. M.
Paul Wright	*New Haven*	146 York st.
Charles Halsted Yates	*Montclair, N. J.*	43 S. M.
Morrison Waite Young	*Toledo, O.*	54 S. M.

SOPHOMORES, 172

FRESHMAN CLASS

Frederic Sturges Allen	*Bridgeport*	80 N. M.
Arthur Nathaniel Alling	*New Haven*	120 Sherman av.
Wallace Steele Allis	*Brookfield, Vt.*	94 N. M.
William Anderson	*Waterbury*	100 N.
Martin Andrews, Jr.	*Chicago, Ill.*	127 Crown st.
Allison Vincent Armour	*Chicago, Ill.*	119 W.
John Hulett Arnot	*Elmira, N. Y.*	162 York st.
Abraham Asher	*New Haven*	6 Orange st.
Frank Oliver Ayres	*Oakham, Mass.*	126 N.
Francis Peck Bacheler	*Woodstock*	169 Temple st.
Louis Whittier Baldwin	*New Haven*	36 College st.
Frederic McLeod Barbour	*New Haven*	44 High st.
Charles Edwin Bedell	*Montclair, N. J.*	109 N.
Gabriel Isidore Behrisch	*Norwich*	137 Olive st.
William Harmon Bentley	*Ellenville, N. Y.*	112 N.
Nelson Pendleton Bigelow	*Chicago, Ill.*	489 Chapel st.
Henry Alfred Bishop	*Bridgeport*	27 Prospect st.
George Reddington Blodgett	*Bucksport, Me.*	67 N. M.
Samuel Albert Booth	*Cheshire*	127 N.
Wilbur Franklin Booth	*Cheshire*	127 N.
Charles Miner Boswell	*West Hartford*	27 High st.
Frank Davis Bowen	*Brooklyn, N. Y.*	111 N.
Robert Munro Boyd, Jr.	*Montclair, N. J.*	109 N.
William Benjamin Bristow	*New York City*	124 W.
Harrison Clifford Brown	*Webster, Mass.*	29 Prospect st.
Colin Sherman Buell	*Madison*	110 N.
Henry Buist, Jr.	*Charleston, S. C.*	158 York st.
John Miller Burnam	*St. Louis, Mo.*	177 Chapel st.
James William Cain	*New Haven*	58 Putnam st.
Charles Tirrill Carll	*New Haven*	472 Chapel st.
Willson Carpenter	*Shekomeko, N. Y.*	219 York st.
Charles Eugene Carr	*New Haven*	2 Hillhouse av.
Neville Hart Castle	*San Francisco, Cal.*	167 Temple st.
Wilson Catherwood	*Philadelphia, Pa.*	27 Prospect st.
Edward Mortimer Chapman	*Saybrook*	110 N.
George Marvin Cheney	*Southbridge, Mass.*	134 College st.
Clinton Milo Chidsey	*Collinsville*	117 York st.
Poy Woo Chin	*Canton, China*	44 Elm st.
Francis Asbury Christian	*Canandaigua, N. Y.*	106 Crown st.
James Milton Claggett	*Hollis, N. H.*	31 Prospect st.
George Eugene Cohen	*Pittston, Pa.*	525 Chapel st.
Edward Huntington Coley	*Westport*	93 N. M.
William Bradley Coley	*Westport*	93 N. M.
Harris Dunscomb Colt	*New York City*	109 College st.

Frederick Connell	*Scranton, Pa.*	134 College st.
William Hamilton Cooper	*Henderson, Ill.*	99 N.
Charles Wilson Copeland	*Brooklyn, N. Y.*	74 High st.
Edmund Petrie Cottle	*Buffalo, N. Y.*	112 N.
Henry Boman Cromwell	*Brooklyn, N. Y.*	109 High st.
Frederick Kingsbury Curtis	*New York City*	35 High st.
Leonard Mayhew Daggett	*New Haven*	60 Wall st.
Henry Laurens Dawes, Jr.	*Pittsfield, Mass.*	198 Crown st.
James Martin Dawson	*Wilmington, N. C.*	192 York st.
Fred Herbert Dodge	*Bangor, Me.*	25 Prospect st.
Julius Tyler Andrews Doolittle	*Utica, N. Y.*	163 York st.
Frederic William Doringh	*Bristol, R. I.*	114 High st.
Charles Edwin Eaton	*Orange, N. J.*	74 High st.
Ellsworth Eliot	*New York City*	121 York st.
Albert Heman Ely	*Elyria, O.*	27 Prospect st.
Maxwell Evarts	*Washington, D. C.*	90 High st.
Arthur Lincoln Farwell	*Chicago, Ill.*	252 York, st.
Reginald Foster	*Boston, Mass.*	38 High st.
Gerard Fountain	*New York City*	200 York st.
Bryce Gray, Jr.	*New York City*	74 High st.
John Purdue Gray, Jr.	*Utica, N. Y.*	27 Prospect st.
Gustave Frederick Gruener	*New Haven*	13 Whiting st.
John Rogers Halsey, Jr.	*Brooklyn, N. Y.*	109 High st.
Robert Walbridge Hamill	*Chicago, Ill.*	119 W.
Horace Edward Hand	*Scranton, Pa.*	128 N.
Wilbur Fisk Hendrix	*Fayette, Mo.*	169 Temple st.
Nelson Hersh	*Rock Island, Ill.*	17 Wooster pl.
Howard Haines Higbee	*Cleveland, O.*	192 York st.
John Holden	*Bridgeport*	80 N. M.
Joseph Glasby Holliday	*St. Louis, Mo.*	237 Orange st.
Charles Elmer Holmes	*North Stonington*	94 N. M.
Henry Caleb Hopkins	*Catskill, N. Y.*	155 Elm st.
Sidney Wright Hopkins, Jr.	*New York City*	29 Prospect st.
Edmund Otis Hovey	*Fair Haven*	125 N.
Frank Campbell Hughson	*Albany, N. Y.*	120 Wooster st.
William Hugh Hyndman	*Newburgh, N. Y.*	219 York st.
Paul Emott Jenks	*Brooklyn, N. Y.*	127 Crown st.
Charles Jesup Jennings	*Redding*	78 N. M.
Reinert August Jernberg	*Fredrikshald, Norway*	17 Wooster sq.
William Henry Jessup	*Montrose, Pa.*	4 Library st.
Frederic Scheetz Jones	*Monroe City, Mo.*	96 N. M.
George William Judson	*Stratford*	170 George st.
Robert Bage Kerr	*New York City*	198 Crown st.
Ernest Buckingham Kimberly	*New Haven*	90 Portsea st.
Newell Clark Knight	*St. Louis, Mo.*	237 Orange st.
Alexander Lambert	*New York City*	90 High st.
Thomas Garner Lawrance	*New York City*	198 Crown st.
Edward Ashton Lawrence	*Chicago, Ill.*	74 High st.

Yan Pou Lee	*Canton, China*	125 N.
James Otis Lincoln	*Bath, Me.*	77 N. M.
Ernest St. George Lough	*Brooklyn, N. Y.*	523 Chapel st.
Kia Chau Low	*Canton, China*	44 Elm st.
Robert Hunt Lyman	*Holyoke, Mass.*	25 Prospect st.
John Osborn McCalmont	*Franklin, Pa.*	9 Library st.
Samuel Plumer McCalmont, Jr.	*Franklin, Pa.*	9 Library st.
Edwin McClellan	*Cambridge, N. Y.*	170 George st.
Henry McCormick, Jr.	*Harrisburg, Pa.*	192 York st.
Robert Samuel McCreery	*New York City*	252 York st.
Henry Clay McDowell, Jr.	*Woodlake, Ky.*	124 W.
William Charles McMillan	*Detroit, Mich.*	121 York st.
Will. Lane Marston	*Chicago, Ill.*	74 High st.
Isaac Henry Mayer	*Chicago, Ill.*	126 High st.
Charles Abernethy Mead	*Darien*	117 York st.
Edwin Albert Merritt	*Potsdam, N. Y.*	126 High st.
Oliver Throck Morton	*Indianapolis, Ind.*	109 Orange st.
John Andrew Myers	*Columbia, Pa.*	84 Wall st.
Alexander Newton	*Crystal Springs, Miss.*	41 High st.
William Ebenezer Nichols	*East Haddam*	252 York st.
William Theophilus Nichols	*Cincinnati, O.*	523 Chapel st.
James William Oakford	*Scranton, Pa.*	128 N.
George Wakeman Osborn	*Easton*	95 N. M.
Harry McMahon Painter	*West Haven*	472 Chapel st.
Charles Laban Pardee	*New Haven*	65 Olive st.
George Washington Patterson, Jr.	*Westfield, N. Y.*	233 York st.
Charles Nichols Peck	*Birmingham*	163 York st.
Vincent Charles Peck	*Trumbull*	105 Dwight st.
Benjamin Horn Pendleton	*Stonington*	126 High st.
James Hosmer Penniman	*Philadelphia, Pa.*	233 York st.
Jacob Perkins	*Warren, O.*	84 Wall st.
Charles Pierpont Phelps	*Burlington, Vt.*	203 York st.
Clarence Nathaniel Platt	*New Haven*	44 Lyon st.
George Lockwood Plummer	*Norwich*	233 York st.
Edward Learned Pollock	*Pittsfield, Mass.*	203 D.
Edwin Lewis Porter	*New Cumberland, W. Va.*	163 York st.
Edward Wright Potter	*Essex*	116 College st.
Nelson George Pringle	*Kingston, Pa.*	162 York st.
James Bronson Reynolds	*North Haven*	125 High st.
Clinton Ross	*Binghamton, N. Y.*	4 Library st.
Robert Gray Russell	*New Haven*	17 Wooster pl.
Henry Jacob Ryder	*New Haven*	70 Hallock st.
Harry Gilbert Samson	*Richmond, Ind.*	165 Temple st.
Edward Isaac Sanford, Jr.	*New Haven*	127 Crown st.
William Henry Sanford	*Newtown*	523 Chapel st.
Ward Webster Savery	*Marion, Mass.*	99 N.
Benjamin Scharps	*Newburgh, N. Y.*	223 York st.
James Foster Scott	*West Philadelphia, Pa.*	79 N. M.

Charles Scott Seeley	*Fairfield*	95 N. M.
Henry Tweedy Shelton, Jr.	*Bridgeport*	127 Crown st.
Oliver Taylor Sherwood	*Southport*	127 Crown st.
William McMurtrie Speer	*Huntingdon, Pa.*	219 York st.
Selden Palmer Spencer	*Erie, Pa.*	136 College st.
Sydney Stein	*Chicago, Ill.*	25 High st.
John Henry Stevenson, Jr.	*Brooklyn, N. Y.*	9 Library st.
Frank Strong	*Auburn, N. Y.*	25 Prospect st.
William Lord Strong	*Pittston, Pa.*	219 York st.
Frederick Phillips Swezey	*Middle Island, N. Y.*	25 Prospect st.
John Trumbull Swift	*Colchester*	78 N. M.
William Ambrose Taylor	*Brooklyn, N. Y.*	163 York st.
Arthur Cecil Thomson	*New Haven*	40 Elm st.
Joseph Tomlinson, Jr.	*Shelton*	79 N. M.
Ray Tompkins	*Elmira, N. Y.*	198 Crown st.
Kowh On Tong	*Kwongtung, China*	126 High st.
Frank Dean Trowbridge	*New Haven*	221 Church st.
Charles Allen Tuttle	*New Haven*	122 College st.
Joseph Nathaniel Tuttle	*Madison, N. J.*	126 N.
Henry Bancroft Twombly	*Boston, Mass.*	90 High st.
George Urquhart, Jr.	*Wilkes Barre, Pa.*	525 Chapel st.
Harry Raup Wagner	*Philadelphia, Pa.*	56 W.
Albert Clark Waite	*New York City*	464 Chapel st.
Charles Morehead Walker	*Chicago, Ill.*	464 Chapel st.
Dean Augustus Walker	*Auburndale, Mass.*	158 York st.
Charles Ansel Watrous	*New Haven*	63 Whitney av.
Albert Foote Wells	*New Haven*	26 Woolsey st.
Arthur Brattle Wells	*Chicago, Ill.*	96 N. M.
Edward Wells, Jr.	*Peekskill, N. Y.*	109 Elm st.
Henry Lincoln Whittlesey	*Old Saybrook*	77 N. M.
Daniel Hand Wilcox, Jr.	*New Haven*	15 York sq.
Amos Parker Wilder	*Augusta, Me.*	27 High st.
Nathan Gallup Williams, Jr.	*Detroit, Mich.*	121 York st.
Herbert Walter Wolcott	*Cleveland, O.*	67 N. M.
Henry Milton Wolf	*Chicago, Ill.*	25 High st.
Joseph Wood	*Sayville, N. Y.*	44 York sq. pl.
Harry Augustus Worcester	*Albany, N. Y.*	56 W.
Edward Augustus Wright	*Cromwell*	88 Grove st.

FRESHMEN, 178

SHEFFIELD SCIENTIFIC SCHOOL

GOVERNING BOARD

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
GEORGE J. BRUSH, M.A., *Chairman and Executive Officer*
WILLIAM A. NORTON, M.A.
REV. CHESTER S. LYMAN, M.A.
WILLIAM D. WHITNEY, PH.D., LL.D.
SAMUEL W. JOHNSON, M.A.
WILLIAM H. BREWER, PH.D.
JOHN E. CLARK, M.A.
DANIEL C. EATON, M.A.
THOMAS R. LOUNSBURY, B.A.
FRANCIS A. WALKER, PH.D.
OSCAR D. ALLEN, PH.D.
ADDISON E. VERRILL, M.A.
SIDNEY I. SMITH, PH.B.
WILLIAM G. MIXTER, PH.B.
A. JAY DU BOIS, PH.D.

ADDITIONAL INSTRUCTORS

ALBERT S. WHEELER, M.A.
FREDERIC R. HONEY
JOSEPH J. SKINNER, PH.D.
JOSEPH F. KLEIN, D.E.
GEORGE W. HAWES, PH.D.
JAMES F. COLBY, M.A.
ALLEN B. HOWE, PH.D.
RUSSELL H. CHITTENDEN, PH.D.
WILLIAM J. COMSTOCK, PH.B.

GRADUATE STUDENTS

Otis Elihu Atwater, B.A.	*Brattleboro, Vt.*	34 S. M.
Rogers Clark Ballard, PH.B.	*Louisville, Ky.*	92 W.
John Pomeroy Bartlett, PH.B.	*New Britain*	16 S. H.
Harry Lane Bruner, B.A. Abingdon College	*Abingdon, Ill.*	169 Temple st.
Charles Sumner Burt, U.S. Military Academy, West Point	*Marquette, Mich.*	114 College st.
Henry Osborn Carrington, PH.B.	*New Haven*	527 Chapel st.
William James Comstock, PH.B.	*Toledo, O.*	167 Crown st.
John Edward Cromwell, PH.B.	*Cranford, N. Y.*	6½ York sq.
Henry Allen Hazen, M.A. Dartmouth College	*New Haven*	298 Chapel st.
William Hale Herrick, M.A. Williams College	*Grinnell, Iowa*	90 Whalley av.
Alfred Edwards Hooker, B.A.	*New Haven*	62 Prospect st.
William Forest Hutchison, B.A.	*Norwich*	464 Chapel st.
Colin Macrae Ingersoll, PH.B.	*New Haven*	85 Trumbull st.
Joseph Frederick Klein, D.E.	*New Haven*	14 Whalley av.
Benjamin Franklin Koons, B.A. Oberlin College	*Sulphur Springs, O.*	36 Court st.
Samuel Waldron Lambert, B.A.	*New York City*	90 High st.
Calvin McCormick, B.A. Franklin College, Ind.	*Franklin, Ind.*	215 York st.
Dwight Porter, PH.B.	*Hartford*	14 S. H.
Frederick Sumner Smith, B.A.	*New Haven*	78 Trumbull st.
Heman Bangs Smith, M.D.	*Westville*	Westville

GRADUATE STUDENTS, 20

NOTE—These names have been already given in the list of Graduate Students on page 22.

SENIOR CLASS

Charles Francis Adams	*Jessups, Md.*	36 Elm st.
Ethan Allen Andrews	*Tarrytown, N. Y.*	175 Temple st.
Edward Bailey, Jr.	*Harrisburg, Pa.*	489 Chapel st.
Frank Lewis Bigelow	*New Haven*	278 Orange st.
George Frederick Bosworth	*Milford*	94 Olive st.
Lester Paige Breckenridge	*Westfield, Mass.*	6½ York sq.
Charles Sheldon Burnham	*Woodbridge*	Watson st.
Charles Monroe Carpenter, Jr.	*Brooklyn, N. Y.*	134 College st.
Howard Field Chappell	*Chicago, Ill.*	36 Elm st.
George Strong Daniels	*New York City*	73 w.
Charles Manville Downs	*New Haven*	70 Wooster st.
John Slade Ely	*New York City*	71 w.
George Sherman Folsom	*Northford*	161 George st.
Seymour Francis Frasick	*Hartford*	99 Wall st.
Albert Moses Gerstle	*Youngstown, O.*	6 Orange st.
Henry Holbrook Gladding	*New Haven*	170 Martin st.
William Loomis Griswold	*Banksville*	173 Whalley av.
Frederic Jonathan Hiller	*Cohoes, N. Y.*	71 w.
Samuel Higgins	*Buffalo, N. Y.*	85 w.
Blain Jamison	*New Orleans, La.*	489 Chapel st.
Jeme Tien Yow	*Canton, China*	44 Elm st.
Edmund Parker Lord	*Saxonville, Mass.*	86 w.
Richard Becker Lyon	*New Haven*	710 Chapel st.
Silas Metzger	*New Haven*	17 Grove st.
Edwin Kirtland Morse	*Poland, O.*	49 Grove st.
Marcus Daty Munn	*Southington*	173 Whalley av.
Marvin Olcott	*Corning, N. Y.*	86 w.
Owyang Keng	*Canton, China*	169 Temple st.
Francis Stuyvesant Peabody	*Chicago, Ill.*	36 Elm st.
Oliver Phelps	*Canandaigua, N. Y.*	92 w.
Addison Alexander Righter	*Newark, N. J.*	73 w.
George Lewis Sargent	*New Haven*	51 Elm st.
Louis Jacob Schiller	*New Haven*	8 Martin st.
Bernard Joseph Shanley	*New Haven*	211 Franklin st.
Frank Augustus Smith	*New Haven*	36 Lyon st.
John Heyward Trumbull	*Talcahuano, Chili*	41 Trumbull st.
Richard Lindsay Trumbull	*Talcahuano, Chili*	41 Trumbull st.
Howard VanRensselaer	*Albany, N. Y.*	23 Prospect st.
Frank Charles Warner	*West Suffield*	116 College st.
Robert William Watson	*Ashtabula, O.*	489 Chapel st.
William Meeker Wood	*Morristown, N. J.*	489 Chapel st.
Arthur Burnham Woodford	*West Winsted*	116 College st.
Clark Wright	*West Roxbury, Mass.*	82 Wall st.
Willis Benton Wright	*Cromwell*	88 Grove st.

SENIORS, 44

JUNIOR CLASS

Horace Ellsworth Andrews	*Cleveland, O.*	43 College st.
George Jackson Angell	*Brooklyn, N. Y.*	43 College st.
Alfred Warren Armstrong	*Cleveland, O.*	43 College st.
Charles Noyes Batcheller	*Wallingford, Vt.*	6½ York sq.
Henry Jonathan Biddle	*Philadelphia, Pa.*	36 Elm st.
Francis Hayes Blake	*New Haven*	Mill Rock
Nathan Gross Bozeman	*New York City*	196 Crown st.
Frederick Casper	*West Meriden*	529 Chapel st.
Charles Chamberlain	*Brooklyn, N. Y.*	489 Chapel st.
William Anson Chamberlin	*New Haven*	30 Trumbull st.
Kŭ Yung Chun	*Canton, China*	44 Elm st.
William Henry Crocker	*San Francisco, Cal.*	36 Elm st.
Walter Root Downs	*New Haven*	64 La Fayette st.
James John Drummond	*Winfield, Ill.*	6½ York sq.
Robert Ogden DuBois	*New Haven*	328 Howard av.
George Mortimer Dunham	*Unionville*	109 Elm st.
Richard Lawrence Everit	*New Haven*	281 Whitney av.
Herbert Waldron Faulkner	*Stamford*	233 York st.
William Alanson Hall	*Morris*	95 Wooster st.
Alexander Bryan Johnson	*Utica, N. Y.*	83 w.
Herbert Deatherage Lacey	*Brooklyn, N. Y.*	36 Elm st.
Frederick William La Forge	*Waterbury*	6½ York sq.
Frank Judson Lambert	*New Haven*	12 Eld st.
Norman Smith Latham	*North Manchester*	120 Dwight st.
Cassius Samuel Lyman	*Holyoke, Mass.*	25 Prospect st.
Nathaniel White Lynde	*West Brookfield, Mass.*	6½ York sq.
William Danforth MacQuesten	*Washington, D. C.*	167 Temple st.
Sheldon Elton Minor	*Thomaston*	167 Temple st.
Nagamoto Okabe	*Tokio, Japan*	92 Grove st.
Edward E. Paramore	*St. Louis, Mo.*	36 Elm st.
Lewis Valentine Pirsson	*New York City*	121 Park st.
Harry Smith Pope	*Jersey City, N. J.*	61 w.
James Edward Pope, Jr.	*Jersey City, N. J.*	61 w.
John Hutchinson Robinson	*Lake Village, Ark.*	215 York st.
Robert Browning Rood	*Great Barrington, Mass.*	167 Temple st.
Charles Edward Stockder, Jr.	*West Meriden*	6½ York sq.
Fred Moore Strong	*Chicago, Ill.*	36 Elm st.
Arthur Graham Thompson	*Milford*	43 College st.
Edwin Thorne	*New York City*	65 Whitney av.
Thomas Pearsall Thorne	*Millbrook, N. Y.*	65 Whitney av.
Walter Joy Vought	*Buffalo, N. Y.*	85 w.
Edward Loder Whittemore	*Rye, N. Y.*	76 w.
Alfred Buckingham Willcox	*Chicago, Ill.*	76 w.
Chauncey Pratt Williams, Jr.	*Albany, N. Y.*	36 Elm st.
S. Lawrence Williams	*Chicago, Ill.*	36 Elm st.
Chan Lok Wing	*China*	44 Elm st.

JUNIORS, 46

FRESHMAN CLASS

Paul Whitin Abbott	*New Haven*	257 Church st.
Gustavo Alfonso	*New York City*	88 Wall st.
John Alpheus Allen	*New Haven*	189 Temple st.
Theodore Davenport Bacon	*Norwich*	247 Church st.
Benjamin Safford Barrows	*Hartford*	128 High st.
George Andrew Barrows	*Philadelphia, Pa.*	114 College st.
Henry Dudley Barry	*Constantine, Mich.*	29 Prospect st.
John Bartholomew	*Guilford*	15 Wooster pl.
Frederic Robinson Bartlett	*Freeport, Ill.*	192 York st.
Frederick Elijah Beach	*New Haven*	33 Lyon st.
Henry Whitney Berryman	*New York City*	117 York st.
William Williams Bond	*New London*	33 Prospect st.
Isaac Judson Boothe	*Birmingham*	84 Wall st.
Charles Allan Bowles	*Springfield, Mass.*	94 Grove st.
Frederick Truman Bradley	*New Haven*	142 Orange st.
Charles Parker Breese	*Meriden*	529 Chapel st.
Charles Sumner Brown	*East Hampton*	12 Trumbull st.
Charles Milo Carpenter	*Madison, Wisc.*	167 Temple st.
Horace Raymond Carpenter	*Afton, N. Y.*	162 York st.
Fred Willis Chapman	*Chico, Cal.*	82 Wall st.
Samuel Myron Chase	*Chicago, Ill.*	184 York st.
Harry Nelson Covell	*Stamford*	200 York st.
Wayne Darlington	*West Chester, Pa.*	125 High st.
Edward Bradford Dench	*Bridgeport*	18 E.
Henry Kelsey Devereux	*Cleveland, O.*	55 Trumbull st.
Edward Peers Eastwick, Jr.	*New York City*	192 York st.
Frank Hynard Edsall	*Hamburgh*	128 High st.
Horatio Southworth Frazer	*Holyoke, Mass.*	134 College st.
Harry Brainard Gaylord	*New Haven*	40 Academy st.
Charles Lockwood Gold	*West Cornwall*	49 Grove st.
Charles Stewart Hall	*Warren, O.*	49 Grove st.
George Vance Harper	*Sing Sing, N. Y.*	82 Wall st.
William Harper	*Shippensburg, Pa.*	82 Wall st.
William Howard Hart	*New Haven*	82 Trumbull st.
Allen Hubbard	*Westfield, Mass.*	6½ York sq.
Arthur Henry Jackson	*New Haven*	12 Warren st.
Henry Clay Johnson	*Rome, Ga.*	153 Crown st.
Wylie Brantley Jones	*New Haven*	89 Wooster st.
Tsu Ye Ki	*Shanghai, China*	114 High st.
William Klein	*New Haven*	86 Nicoll st.
John Elmer Lockwood	*Stamford*	146 Dixwell av.
William Ellison Lockwood	*Stamford*	146 Dixwell av.
James Lyman	*Middlefield*	107 W.
John Lyman	*Middlefield*	107 W.
George Smith Hunt McDowell	*Portland, Me.*	33 Prospect st.

John Henry Mann	*Utica, N. Y.*	116 w.
Donald Grant Mitchell, Jr.	*Edgewood*	84 Wall st.
Oliver Rockwell Morgan	*Glastonbury*	187 Temple st.
John Edmund Newell	*Chicago, Ill.*	464 Chapel st.
Henry Curtis Nutt	*Chicago, Ill.*	489 Chapel st.
Frank Spooner Parrott	*Bridgeport*	36 Elm st.
George Shipman Payson	*Chicago, Ill.*	464 Chapel st.
Edward Wells Penfield	*Chicago, Ill.*	94 Grove st.
David Murdock Pratt	*Elmira, N. Y.*	198 Crown st.
Willie Sherman Randall	*Birmingham*	72 High st.
Robert Ranlet	*Holyoke, Mass.*	134 College st.
Albert William Robert	*New York City*	237 Orange st.
Joseph Warren Rogers, Jr.	*Scarborough, N. Y.*	82 Wall st.
Alfred Hughes Rowe	*Fair Haven*	Fair Haven
Frederick Baylies Samson	*Richmond, Ind.*	165 Temple st.
Charles Lansing Sayre	*Utica, N. Y.*	116 w.
Horace Lee Simpson	*Pensacola, Fla.*	198 Crown st.
Ebenezer Hubbard Skinner	*Escambia, Fla.*	198 Crown st.
Joseph Allen Skinner	*Holyoke, Mass.*	146 College st.
Edward Irving Stone	*Bethlehem*	365 Orchard st.
John Edwards Stryker	*Catskill, N. Y.*	29 Prospect st.
Elmer Ellsworth Thompson	*St. Louis, Mo.*	55 Trumbull st.
Charles Ridgway VanBlarcom	*Cornwall, N. Y.*	88 Wall st.
Alonzo Felton Wood, Jr.	*West Haven*	77 George st.
Alexander Wurts	*New Haven*	65 Whitney av.
Robert Hawthorne Wylie	*Chester, S. C.*	258 Orange st.

FRESHMEN, 71

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Asta Buruaga	*Santiago, Chili*	258 Orange st.
John Lindley Coates	*Kansas City, Mo.*	66 w.
Glover Edward Sanford	*Bridgeport*	494 Chapel st.
Joseph Singler	*Ansonia*	Ansonia
Hiram Colin Slavens	*Kansas City, Mo.*	66 w.
Warren A. Spalding	*New Haven*	89 Church st.
William Bradbury Spring	*Portland, Me.*	36 Elm st.
William Fletcher Stone	*New Haven*	143 Lamberton st.
William Petit Trowbridge, Jr.	*New Haven*	82 Prospect st.

SPECIAL STUDENTS, 9

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
JOHN F. WEIR, N.A., M.A., DIRECTOR
REV. JAMES M. HOPPIN, D.D.
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*
CHARLES R. LOOMIS, *Assistant in Drawing*

STUDENTS

Cornelia F. Allen	*New Haven*
Georgiana Ayres	*Niantic*
Emma H. Bacon	*Meriden*
John J. Brennan	*New Haven*
Fannie C. Burr	*Monroe*
Julia I. Coe	*New Haven*
Walter H. Coe	*Madison*
Lily Curtis	*Stratford*
Maria B. Curtis	*Stratford*
Adeleine L. Downer	*New Haven*
Caroline M. Dunbar	*Stratford*
Susan S. Farnam	*New Haven*
Sarah W. Foote	*New Haven*
William C. Fuller	*Willimantic*
Sarah D. Gardiner	*New Haven*
Frances L. Goodrich	*New Haven*
Harry A. Hall	*St. Mary's, Pa.*
Jessie C. Harger	*New Haven*
Eliza J. Harrison	*New Haven*
Emma E. Hill	*New Haven*
Mary E. Hobson	*Wallingford*

Maud S. Ingersoll	*New Haven*
Antoinette Ives	*Montreal, Canada*
Wiliiam H. Jackson	*New Haven*
William H. Jewett	*New Haven*
Annie S. Johnson	*Fair Haven*
Elizabeth V. Kingsley	*New Haven*
Frederic T. Langzettel	*New Haven*
Caroline Lindsley	*New Haven*
Charles R. Loomis	*Hartford*
Henry E. Manning	*Fair Haven*
Rebecca M. Mitchell	*Edgewood*
Helen Oakford	*New Haven*
Katherine B. Park	*New Haven*
Anita Phinney	*New Haven*
Elizabeth S. Pitman	*Wallingford*
Rebecca T. Rowland	*Fairfield*
Agnes G. Rowlands	*Hamilton, N. Y.*
Alice A. Sanford	*Redding*
Glover E. Sanford	*Bridgeport*
Eleanor Silliman	*New Haven*
Albert E. Smith	*Waterbury*
Rosalie Tomlinson	*Birmingham*
Lucy P. Trowbridge	*New Haven*
Ethel C. Walker	*New Haven*
Rosa A. Ward	*New Haven*

SUMMARY

Students in Regular Attendance, ...	46
Junior Optional Class, from the Academical Department,	11
Students from the Sheffield Scientific School, in Free-hand Drawing	70
	127

SUMMARY OF STUDENTS

Department of Theology		93
Department of Medicine		25
Department of Law		64
Department of Philosophy and the Arts:		
Graduate Instruction	29	
Undergraduate Academical Department	612	
Sheffield Scientific School	190	
School of the Fine Arts	46	
		877
		1059
Deduct for names inserted twice		22
Total		1037

GENERAL STATEMENT

The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will

in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

1. Intellectual Philosophy; Ethics

President PORTER: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History

Professor WHEELER: History of Europe, 1815–70.

Professor BREWER: Relations of Physical Geography to Political History.

Professor WALKER: Public Finance; Statistics of Industry.

Professor SUMNER: Politics and Finance in the History of the United States; Political Economy.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris;* German text-books of Roman Law.

3. Philological Science; Literature

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Archæology.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD and Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and literature of English.

Professor CARTER: the older Germanic Languages and Literature, including Gothic.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. Mathematics

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: the Laws of Vibratory and Undulatory Motion, with especial reference to Light and Sound; the Potential Function, with its application to the theories of Electricity and Magnetism; Capillarity.

5. Physics; Chemistry; Astronomy

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor O. D. ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Dr. WALDO: the Theory and Practice of Micrometry; Practical Thermometry.

6. Geology; Natural History

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

Mr. G. W. HAWES: Microscopic Mineralogy and Lithology.

7. Applied Science

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor O. D. ALLEN: Metallurgy; Assaying.

Professor DUBOIS: Dynamical Engineering.

8. Fine Arts

For the instruction open to Graduates in the School of the Fine Arts, see page 73.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Cæsar—four books of the Gallic war, or Sallust's Jugurthine war.

Cicero—seven Orations.

Vergil—Bucolics, Georgics, and first six books of the Æneid, including Prosody.

The translation, at sight, of passages from Cicero or Cæsar.

The translation into Latin of a connected passage of English prose. [As special importance will be given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]

Roman History—Creighton's Primer of Roman History is suggested, as indicating the amount required.

Greek Grammar—with translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

The translation, at sight, of a passage from some work of Xenophon.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books, or the whole of Plane Geometry in any other text-book. The candidate must be prepared to draw the figures for the demonstration of propositions.

English Grammar and Geography; a thorough knowledge of which is required.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on the Thursday, Fri-

day, and Saturday following Commencement (June 30, July 1, 2, 1881); *attendance is required at the beginning of the examination, at* 9 A. M. *on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1881 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Chicago and in Cincinnati (beginning on Thursday, June 30, at 9 A. M.) at a place to be announced in the local newspapers of the day previous. Candidates who propose to be present are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to these examinations.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 13, 14, 1881); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, no examinations for admission to the next Freshman Class can be held before Commencement, or during vacation.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in

all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the college. A blank form for this purpose will be furnished at the time of admission.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms.

The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's Odyssey, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Loomis's Algebra; Todhunter's Euclid, first four books; Chauvenet's Geometry. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's Odyssey, continued through five books; Herodotus, one book; Boise's Exercises in Greek Syntax (to page 85). *Latin*—Livy, continued through one book; Cicero *de senectute;* Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry; Richards's Plane Trigonometry, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics*—Richards's Plane and Spherical Trigonometry. *Rhetoric*—Lectures on Composition. Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Richards's Spherical Trigonometry; Loomis's Analytical Geometry; Mensuration, Navigation, and Surveying; Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies *(Latin, Greek, Mathematics, French, Spanish, Italian, English)* see below.

SECOND TERM—*Natural Philosophy*—Ganot's Physics. Lectures. *Rhetoric*—Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Astronomy*—Loomis's Astronomy. *Logic*—Jevons's Logic.

For optional studies *(Latin, Greek, Mathematics, French, Spanish, Italian, English, Anglo-Saxon, Zoology, Botany, Fine Arts)* see below.

SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Geology*—Dana's Geology. *Political Science*—Mill's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies *(Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Astronomy, Mineralogy, European History)* see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Moral Philosophy*—Recitations. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *Elements of Jurisprudence and American Constitutional Law*—Lectures.

For optional studies *(Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Meteorology, Geology, Palæontology, American History, Political Science, Fine Arts)* see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In cases where an optional is withdrawn before the end of a year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY

1. ANCIENT LANGUAGES: (*a*) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard. (*b*) LATIN, through Junior and Senior years, with Professors Thacher and Peck, four exercises a week. (*c*) LATIN and GREEK, two exercises a week in each, through Junior and

Senior years, with Professors Thacher, Packard, and Peck. (*d*) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (*a*) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition, authors of the XIXth century; in Senior year, French Composition, authors of the XVIIth and XVIIIth centuries, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon pages 1–128 of Chardenal's First French Course, or upon pages 6–148 of Keetels's Elementary French Grammar. (*b*) SPANISH, through Junior and Senior years, four exercises a week, with Professor Knapp; Grammar and Exercises, with special reference to commercial correspondence and conversation, together with prose readings in living authors, and subsequently readings in Cervantes, Lope de Vega, and Calderon. (*c*) ITALIAN, through Junior and Senior years, with Mr. Speranza, four exercises a week; a special fee, $30 a year, will be charged. (*d*) GERMAN, through the first term and the first half of the second term of Senior year, four exercises a week, and during the remainder of the year two exercises a week, with Professor Carter; Schiller's Die Piccolomini, Goethe's Iphigenie, selections from Goethe's Prose, Lessing's Nathan der Weise, German Composition. (*e*) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's Anglo-Saxon Reader. (*f*) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspere, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS: Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II. INTELLECTUAL PHILOSOPHY

With President Porter, through the second term of Senior year, two exercises a week.

III. HISTORY AND POLITICAL SCIENCE

1. EUROPEAN HISTORY, through the first term of Senior year, with Professor Wheeler, four exercises a week; Hallam's Middle Ages.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week; Frothingham's Rise of the Republic; von Holst's Constitutional History of the United States.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV. MATHEMATICS AND ASTRONOMY

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Loomis's Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the second term of Senior year, two exercises a week, with Professor Loomis; Loomis's Practical Astronomy.

V. Molecular and Terrestrial Physics

1. Physics, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.

2. Meteorology, through the first term of Senior year, with Professor Loomis, four exercises a week ; Loomis's Meteorology.

VI. Natural Science and Geology

1. Geology, through the first half of the second term of Senior year, with Professor J. D. Dana, two exercises a week ; Dana's Manual.

2. Mineralogy and Mathematical Crystallography, through the first term of Senior year, with Professor E. S. Dana, four exercises a week ; Dana's Text-Book.

3. Botany, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

4. Zoology, through the second half of the second term of Junior year, our exe rcises a week, with Dr. J. K. Thacher.

VII. Fine Arts

Four exercises a week, through the second term of Junior year, under Professor Niemeyer, in Drawing, and Professor Weir, in the Principles and Means of Art ; and two exercises a week through the second term of Senior year, under Professor Niemeyer, in Drawing, and Professor Hoppin, in the History of Art. The usual fees in the School of the Fine Arts ($18 for three months) are payable.

Exercises in Declamation and Composition—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution ; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

Public Examinations are held at the close of the first and at the middle of the second term, on the studies of the term and half-term ; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

Vocal Music—Gratuitous instruction in Vocal Music is given during a part of the year (the exercises being open to members of all the Departments of the College), subject, however, to a small charge for fire and lights.

TERMS AND VACATIONS

The Public Commencement is held on the last Wednesday in June. The first term begins eleven weeks from the day after Commencement-day and continues fourteen weeks; the

second term begins on the second Thursday in January and continues until Commencement-day, with a spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz., at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and still retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three to six dollars a week. The average price is about four dollars and seventy-five cents.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from $25 to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations :—

Treasurer's bill (according to location of room), from	$160 to	$220
Board, 37 weeks, - - - - - - - "	110 to	220
Fuel, lights, and washing, - - - - - - "	30 to	60
Use of text-books and furniture, - - - "	30 to	60
Total, - - - - - - - -	$330	$560

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $12,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. About one hundred thus have their tuition either wholly or in part remitted. Students needing such aid should apply to the President before November 1st in each College year. Assist-

ance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

There are also eighteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of about six hundred dollars a year, was founded in 1873 by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be at the time of his election a graduate of this department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of about six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of

Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study subject to the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fourteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 48, 51.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862. It thus became in consequence the "College of Agriculture and the Mechanic Arts" of Connecticut.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these, and the instructors employed during the current year (mentioned on p. 38), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford; Hon. O. F. WINCHESTER, of New Haven; JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, Esq., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively practical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by the instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49–51.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class.

It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.
History of the United States.
Geography.

Latin—six books of Cæsar's Commentaries, or their equivalent, and simple exercises in prose composition.

Arithmetic—including the metric system of weights and measures.

Algebra—so much as is contained in Loomis's Treatise, up to the general theory of equations.

Geometry—Plane, solid, and spherical; including fundamental notions of symmetry, and examples of loci and of maxima and minima of plane figures:—an equivalent to the nine books of Chauvenet's Treatise, or to the ten books of Loomis's Elements and the Appendix, up to the section of Transversals.

Trigonometry—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry (Boston, 1877), or Richards's Plane Trigonometry (New York, 1878).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States*, *Geography*, *Arithmetic*, *Plane Geometry*, and *Algebra to Quadratic Equations*.

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice must be given of the intention to divide the examination to Professor G. J. Brush, Executive Officer of the School, on or before June 15.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat, orderly, and readily intelligible arrangement.

In LATIN, in order to secure the attainment of the required proficiency, the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and accurate and ready in the application of the rules of syntax. As an additional guarantee of the proper mastery of these grammatical elements, the requirement has been adopted of "simple exercises in prose composition." By this is meant merely, such a course of elementary exercises in translation, orally and in writing, from English into Latin as, in connection with the systematic parsing just mentioned, shall necessitate a familiarity with grammatical forms and the leading principles of syntax, and thus render the reading of the six books of Cæsar (or their equivalent) more thorough and fruitful. Since this course of elementary exercises in translation is designed as a preparation for reading, and not as a sequel to it, it should be invariably begun at the earliest stage of the study of Latin. To avoid any misapprehension of the nature of the extent of the requirement, the following works are specifically named, among which the candidate for examination may make his own selection. These are Harkness's "Introduction to Latin Composition," 112 pages; Leighton's "Latin Lessons," 91 pages; Smith's "Principia Latina," Part I; McClintock's "First Latin Book," 83 lessons (193 pp.). Any equivalent of these may be offered from the many useful books of a similar character. A knowledge of Prosody is not required.

The examinations for admission take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 30, July 1, 2, and on Tuesday and Wednesday, September 13, 14, 1881. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1881 examinations (for the Freshman Class only) will also be held in Chicago and in Cincinnati (beginning on Thursday, June 30, at 9 A. M.), at a place to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Executive Officer of the School, before June 15. A fee of five dollars will be charged for admission to the examinations in Chicago and in Cincinnati.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in Composition. *Mathematics*—Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Spherical Trigonometry (Wheeler's); Elements of Mechanics. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Political Economy*—Elementary Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following courses:

(a.) IN CHEMISTRY

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German, French.*

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Organic Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Laboratory Practice*—Mineral Analysis and Assaying. *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING

JUNIOR YEAR:

FIRST TERM — *Mathematics* — Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics* — Integral Calculus. Rational Mechanics. *Drawing*—Descriptive Geometry, concluded. Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM — *Mathematics* — Integral Calculus. Rational Mechanics. *Kinematics* — General Theory of Motion and Principles of Mechanism; Elementary Combinations of pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for wheels; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German. French.*

SENIOR YEAR:

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structures; Construction of Roof Trusses, Girders, and Iron

Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-heads; Pipe Connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis. French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids; Hydrometers, Manometers, Gauges, etc.; Water Pressure Engines and Water Wheels; Construction of Water Reservoirs and Conduits; Measurement of Water Supply; Discharge of Pipes. *Thermodynamics*—General principles of Heat employed as a source of power; Theory of the Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines; Shearing and Pumping Engines; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy.*

(d.) IN AGRICULTURE

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Physiology*—Huxley's. *Botany*—Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries; Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions; *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiology*—Huxley's, with Practical Exercises. *Toxicology*—Fresenius's; Laboratory Practice; Recitations and Lectures. *Physiological Chemistry*—Sanderson's Handbook; Recitations and Laboratory Work. *Mineralogy*—continued. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—continued. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. English*—Early English. *History*—Freeman's Outlines. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot; Lectures. *Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Freeman's Outlines, with Lectures. *Political Economy*—Rogers's Manual. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *History*—Constitutional History of the United States; Lectures. *Political Economy*—Lectures. *French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Political Economy*—Lectures. *English*—Shakspere, Milton, Dryden, Pope, and later authors. *History*—Political History of U. S.; History of Europe from 1848; Lectures. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbott, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable, $55 at the beginning of the first and second term, and $40 at the middle of the second term. The special student of Chemistry has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself with gas, flasks, crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee

is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For graduate students the charge for tuition will be $100 per year.

THE FEES for graduation as BACHELOR OF PHILOSOPHY, are $10; unless the person taking the degree is also a graduate of the Academical department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D, in Anatomy; HARRISON W. LINDSLEY, in Architecture; CHARLES R. LOOMIS, Assistant in Drawing.

The School has for its end the cultivation and promotion of the Arts of Design, viz.: PAINTING, SCULPTURE, and ARCHITECTURE, both in their artistic and æsthetic aims, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections: applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline; studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions: the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions: the first is

devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

AN ART OPTIONAL, for undergraduate Academical students is continued from January 1 to June 1. For the Juniors it consists of four exercises of two and a half hours each, per week, in Drawing, with a weekly lecture on the Principles and Means of Art: and for the Seniors of two exercises a week, of two and a half hours each, with a weekly lecture on the History of Art.

II. DEPARTMENT OF SCULPTURE

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeleton; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture.

III. DEPARTMENT OF ARCHITECTURE

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

Second Division:

DRAWING—Casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies of details in various styles; projects—dwelling-houses, stores, public-buildings, etc.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

The CHARGE FOR TUITION is $36.00 for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will give a series of lectures on Church Polity, with special reference to the polity and discipline of the Congregational Churches.

SENIOR YEAR:

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will lecture on American Church History.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

GRADUATE CLASS:

During the past year a special course of instruction has been carried on with a class of graduate students. A similar course will be provided during the coming year, in which persons who have finished the regular course of theological study here or elsewhere may have the opportunity of continuing their studies under the direction of the Professors.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

Instruction in vocal music is given gratuitously to students who desire it. (See p. 57).

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE to PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, containing nearly two thousand volumes in various languages, and established through the liberality of Mr. Henry Trowbridge, of New Haven, is placed in the East Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open daily for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains nearly 100,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $2.75 to $4 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students whose circumstances require it, will receive $100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover the expenses mentioned above.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Roland Mather, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the third time to the class entering in September, 1880, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given will receive the annual income ($700) for two years after graduation, and will be expected to pursue a course of theological study, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided

for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1880–81 began on Thursday, Sept. 16, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni, are held in the same week. The next annual term will begin on Thursday, September 15, 1881.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

DEPARTMENT OF MEDICINE

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of the Principles and Practice of Surgery, a Professor of Obstetrics and the Diseases of Children, a Professor of Ophthalmology and Otology, a Demonstrator of Anatomy, a Lecturer on Normal Histology, a Lecturer on Food and Poisons, a Clinical Lecturer on Surgery, a Lecturer on Gynecology, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, and a Lecturer on Insanity.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of two weeks in the latter part of February.

The first term for the present year begins on Thursday, October 7th, and closes on Wednesday, February 9th, 1881.

The second term will begin on Thursday, February 24th, and close with Commencement, June 29th, 1881.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.
2. LATIN: Translation of easy prose, or of Vergil's Æneid.
3. PHYSICS: Balfour Stewart's Elementary Physics, or any equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Graduates in medicine will not be required to pass this examination for admission.

Examinations in Preliminary Studies will be held Oct. 6th, and also on the Friday after Commencement, at 9 A. M., at the Medical College.

Examinations will also be held on the Friday following Commencement in Chicago and Cincinnati. Particulars of time and place will be announced on the day previous in the local papers. A fee of $5 will be charged for admission to these latter examinations.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may enter an advanced class, upon passing the examinations required of those of equal grade.

COURSE OF INSTRUCTION

JUNIOR YEAR:

FIRST TERM—General Chemistry: Lectures and Recitations, four times a week, Prof. Silliman. Chemical Laboratory, three times a week, Prof. Silliman and Mr. Smith.

Anatomy: Lectures and Recitations, five times a week, Prof. Sanford. Dissections four times a week after Nov. 1, Dr. Hotchkiss.

Normal Histology: Laboratory work, once a week, Dr. Prudden.

Materia Medica and Therapeutics: Lectures and Recitations, three times a week, Prof. Lindsley.

SECOND TERM—Medical Chemistry: Lectures and Recitations, twice a week, Prof. Silliman. Laboratory work, three times a week, Prof. Silliman and Mr. Smith.

Anatomy: Lectures and Recitations, five times a week till March 30th, Prof. Sanford. Dissections, four times a week till April 30th, Dr. Hotchkiss.

Normal Histology: Laboratory work, once a week, Dr. Prudden.

Materia Medica and Therapeutics: Lectures and Recitations, after March 30th, five times a week, Prof. Lindsley.

Physiology: Recitations, five times a week, Prof. Thacher.

MIDDLE YEAR:

FIRST TERM—Anatomy: Lectures and Recitations, five times a week, Prof. Sanford. Dissections, four times a week after Nov. 1st, Dr. Hotchkiss.

Materia Medica and Therapeutics: Lectures and Recitations, three times a week, Prof. Lindsley.

Physiology: Recitations, five times a week, Prof. Thacher.

General Medicine: Lectures and Recitations, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox.

General Surgery: Lectures, three times a week, Prof. Smith. Surgical Clinic, once a week, Prof. Smith.

Obstetrics: Lectures, Recitations, and Practical Exercises, twice a week, Prof. White.

Gynecological Clinic and Lecture, once a week, Dr. Mann. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Clinic for Diseases of the Eye and Ear, once a week, Prof. Carmalt. Dispensary Clinics, daily.

SECOND TERM—Anatomy: Lectures and Recitations, till March 30th, five times a week, Prof. Sanford. Dissections, till March 30th, four times a week, Dr. Hotchkiss.

Materia Medica and Therapeutics: after March 30th, five times a week, Prof. Lindsley.

Pathology: Lectures and Recitations, three times a week, Prof. White.

General Medicine: Lectures and Recitations, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox.

General Surgery: Lectures, three times a week, Prof. Smith. Surgical Clinic, once a week, Prof. Smith.

Obstetrics: Lectures, Recitations, and Practical Exercises, twice a week, Prof. White. Cases in Obstetrics.

Gynecological Clinic and Lecture, once a week, Dr. Mann. Eye and Ear Clinic, once a week, Prof. Carmalt. Dispensary Clinics, daily.

SENIOR YEAR:

FIRST TERM—Surgery: Lectures on General Surgery, three times a week, Prof. Smith. Surgical Clinic, once a week, Prof. Smith. Lectures and Practical and Clinical Exercises on Fractures, Bandaging, etc., once a week, Dr. Russell.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week for nine weeks, Dr. Stearns. Lectures on Food and Poisons, once a week, Dr. Fleischner.

Obstetrics: Lectures, Recitations, and Practical Exercises, twice a week, Prof. White. Cases in Obstetrics.

Gynecology: Clinic and Lecture, once a week, Dr. Mann.

Ophthalmology and Otology: Lecture, once a week, Prof. Carmalt. Eye and Ear Clinic, once a week, Prof. Carmalt.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SECOND TERM—Pathology: three times a week, Prof. White.

Surgery: Lectures on General Surgery, three times a week, Prof. Smith. Surgical Clinic, once a week, Prof. Smith. Lectures and Practical and Clinical Exercises on Fractures, Bandaging, etc., once a week, Dr. Russell.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic on Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous system, once a week, Dr. Ayres. Lectures on Insanity, once a week for nine weeks, Dr. Stearns. Lectures on Food and Poisons, once a week, Dr. Fleischner.

Obstetrics: Lectures, Recitations, and Practical Exercises, twice a week, Prof. White. Cases in Obstetrics.

Gynecology: Clinic and Lecture, once a week, Dr. Mann.

Ophthalmology and Otology: Lecture, once a week, Prof. Carmalt. Eye and Ear Clinic, once a week, Prof. Carmalt.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms are amply supplied with anatomical material, under the personal direction of the Demonstrator, and are open to students from November until April.

NORMAL HISTOLOGY will be taught in the laboratory by Dr. T. M. PRUDDEN. Each student will be provided with a microscope and the requisite accessories, and will be taught to show himself the histological structure of the various tissues and organs.

PHYSIOLOGY will be taught in recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

PATHOLOGY—The lectures in this course are illustrated by the daily use of an ample supply of compound achromatic microscopes, on which two sets of preparations are exhibited at every lecture. In this manner the morbid microscopic structures, including urinary deposits, are seen by the students.

Advanced students are instructed in the practical use of the microscope, in the preparation and examination of morbid tissues.

In addition to the lectures, pathology is also taught by a course of recitations from a text book.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, and supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PRACTICE OF MEDICINE—Three didactic lectures each week and one clinical lecture will be given. At each clinical lecture the students in turn examine each patient before the class and the professor of the department, presenting his diagnostic points for criticism.

SURGERY—Three didactic and one clinical lecture will be given each week. While due prominence will be given to the discussion of the Principles, great care will be taken to familiarize every student with the use of all instruments, and the details of all operations, abundance of material being furnished for this purpose. In addition, lectures will be given on Practical Surgery, including bandaging, the application of splints and other apparatus, in connection with clinical instruction in the surgical wards of the hospital.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the usual surgical operations in midwifery, and sufficient illustrations of practical gynecology.

OPHTHALMOLOGY AND OTOLOGY are taught throughout the year by a course of practical lectures. A weekly clinic for diseases of the Eye and Ear affords rare facilities for advanced students to acquire knowledge of this class of diseases, and also the application of the various instruments employed in their diagnosis and treatment.

MEDICAL JURISPRUDENCE—Several of the professors will give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

MENTAL DISEASE—A course of lectures on this subject is given by HENRY P. STEARNS, M.D., Superintendent of the Hartford Retreat for the Insane.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords, in its spacious wards, ample material for the illustration of disease, and furnishes frequent opportunities for the performance of all the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday; a GYNECOLOGICAL CLINIC at 3 P. M. every Wednesday; an EYE and EAR CLINIC at 3 P. M. every Thursday; and a MEDICAL CLINIC at 3 P. M. every Friday. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in physical explorations, special manipulation, and the enlightened employment of remedies.

CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations at the Hospital are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by over six thousand patients annually. Two of the attending physicians are present, daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary, and are instructed in the diagnosis and treatment of special diseases.

MUSEUMS AND LIBRARIES

THE MUSEUM contains a large collection of natural and morbid specimens, numerous casts, plates and models of elegant execution, and an extensive Cabinet of Materia Medica, all of which are made practically useful in illustrating the subjects taught. The Libraries of the University and the Cabinets of Mineralogy, Geology, Palæontology, Osteology, and Zoology, are also open for the instruction of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—New Haven offers special advantages to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, under distinguished teachers, in connection with the Sheffield Scientific School.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are final upon Chemistry, Histology, and Elementary Physiology; and upon Anatomy and Materia Medica to mark progress.

Those at the end of the second year are upon advanced Physiology, and upon Anatomy, and Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, Obstetrics, and Ophthalmology and Otology.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; must have spent at least one continuous year at this school, and have passed the examinations in all the studies of the three years, satisfactorily to the Board of Examiners.*

No theses are required for graduation; but theses or monographs embodying results of original research, and of marked excellence, will be honorably mentioned, and may be commended for publication in the transactions of the Connecticut Medical Society or elsewhere.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

THE KEESE PRIZE

The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit to deserve a prize, it may be withheld for that year.

FEES AND EXPENSES

Matriculation Fee (paid upon entering the School),	$ 5.00
Tuition Fee, for one year,	200.00
Graduation Fee,	30.00

If the annual tuition fee is paid in two payments, $120 must be paid for the first term, and $80 for the second. Students who have attended and paid for two full years, will be entitled to attend the third year for $100; if in two payments, $60 for the first term and $40 for the second. These are to be paid to the Treasurer of the University, except the graduation fee, which is to be paid to the Dean.

There are no extra expenses of any kind except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5.00 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of Yale College for three hundred dollars, executed by a satisfactory bondsman: a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills shortly before the end of each term, to be paid on or before the commencement of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

DEPARTMENT OF LAW

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, and a Professor of International Law. Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Hon. ORIGEN S. SEYMOUR, LL.D., on Judicial Procedure and Practice, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot

Courts are regularly held, at which one of the professors acts as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Contracts, Prof. Baldwin; Pleading, Prof. Robinson; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Professors Robinson and Baldwin; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Forensic Oratory, Prof. Robinson.

SPRING TERM—Recitations: Contracts, Professors Robinson and Baldwin; Pleading, Prof. Platt; Mercantile Law, and Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures: English Constitutional Law, Prof. Wayland; Origin of Law, Prof. Robinson; Forensic Elocution, Mr. Bailey.

SENIOR YEAR:

FALL TERM—Recitations: Real Property, Prof. Robinson; Equity, Prof. Platt; Contracts, Prof. Baldwin. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Private Corporations, Prof. Robinson; Equity, Prof. Platt; Real Property, Prof. Robinson. Lectures: American Constitutional Law, Prof. Baldwin; Judicial Procedure, Judge Seymour.

SPRING TERM—Recitations: Corporations, Criminal Law, and Estates, Prof. Robinson. Lectures: Roman Law, and Practice, Prof. Baldwin; Patents, Mr. Betts; Ecclesiastical Law, Dr. Bacon.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Cooley on Torts, Parsons on Contracts, Stephen on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, and Washburn on Real Property; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, Angell and Ames on Private Corporations, and Washburn on Real Property.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended), and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor for at least one year, or at the law school of some college or university for at least six months; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course. Attorneys at law of any State are entitled to admission to the Senior Class, without examination, on the exhibition of their certificates of admission to the bar.

While time spent at another law school will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination beginning on the first Saturday of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures 1 to 9 inclusive, 14 to 18 inclusive, and 20, 21, 60, 62, and 68; Parsons on Contracts, excepting only from vol. i, pages 9 to 40 and 217 to 233, and from vol. ii, pages 1 to 32 and 258 to 614; Blackstone's Commentaries (except book 4), Robinson's Notes on Elementary Law, Stephen on Pleading, Greenleaf on Evidence, vol. i, Woolsey's Introduction to the Study of International Law, and Cooley on Torts.

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, without examination.

GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 98. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the course is as follows:

FIRST YEAR:

Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

SECOND YEAR:

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Walker.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoleon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the course, the preparation for which, with the collateral course of reading which will be prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund),* contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library

* Established by Hon. James E. English, M.A., in 1873.

is open daily, during term time, from 8 A. M. to 12.45 P. M., and from 2 to 5.45 P. M. (with the exception of Saturday afternoon); during vacation it is not opened until 9 A. M.

The students can also draw books from the general University libraries, containing over 100,000 volumes.

PRIZES are annually awarded as follows:

The TOWNSEND PRIZE,* of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

The JEWELL PRIZE,† of fifty dollars, to that member of the Senior Class who receives the highest marks at the final examination of his class, at their graduation.

The BETTS PRIZE,‡ of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

GYMNASIUM—The College gymnasium is open to members of the Law Department on payment of moderate fees.

DEGREES—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

* Established by Hon. James M. Townsend, in 1874.

† Established by Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have received the degree of Bachelor or Doctor in any of the Arts or Sciences from any incorporated College or University, and have subsequently been members of this Department for not less than eighteen months, and who passed satisfactorily an examination at the end of their first six or twelve months, on all the studies of the Junior year.

4th. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, are thereupon admitted to the Connecticut Bar.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

Expenses—The fees for tuition and use of the Library in the Undergraduate Course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year, and in the Graduate Course, $50 for the Fall Term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for each year; to be paid to the Treasurer of the

College in advance, or secured by a bond satisfactory to him. Where payment is not made in advance, interest will be added. Candidates for a degree who pursue their studies beyond the minimum period of attendance required, before applying for examination, will be charged only half these rates for their subsequent tuition. The diploma fee is $5, and the Court fees for admission to the Bar are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from $5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY CHARLES B. ANDREWS, LL.D., *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about $140,000, or, with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethonology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE WINCHESTER ASTRONOMICAL AND PHYSICAL OBSERVATORY

BOARD OF MANAGERS

JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR CHESTER S. LYMAN, M.A., *President*
PROFESSOR HUBERT A. NEWTON, LL.D., *Secretary*
HON. O. F. WINCHESTER, of New Haven
W. W. WINCHESTER, Esq., of New Haven

The Horological and Thermometric Bureaus are under the charge of Dr. LEONARD WALDO, assisted by Mr. WILLIAM BEEBE. The Observatory also receives the advice of Professors J. WILLARD GIBBS, Ph.D., and ARTHUR W. WRIGHT, Ph.D., in regard to problems connected with Thermometry. Mr. J. MURRAY FAIRCHILD, of New Haven, has the charge of the telegraphic transmission of the Observatory Time Signals.

The Observatory, to be devoted by the conditions of its foundation to the encouragement of original research, has commenced its activity by the establishment of two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are afforded at the more prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. An Astronomical Observatory, inclusive of standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete apparatus for the testing of chronometers, watches, and clocks in the various positions and conditions of

temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. The apparatus for an extended (automatic) public time service.

4. The apparatus for research and comparison in Thermometry, including comparators, cathetometers, and a collection of the best thermometers obtainable of the foreign makers and Observatories which devote special attention to thermometric standards.

Descriptive Circulars of the above services have been prepared for the information of persons interested.

LIBRARIES

THE COLLEGE LIBRARY numbers about 98,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M., to 1 P. M., and from 2½ to 5 P. M. (or, during the winter months, to 4½ P. M.)

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing over 20,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sunday from 1 P. M. to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about .	98,000 vols.
Linonian and Brothers Library, about	22,500 "
Libraries of the Professional Schools, about . .	18,500 "
	139,000

APPENDIX

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JULY 1, 1880

ORATIONS

WILLIAM MONTAGUE HALL, Valedictory Oration, *Ashfield, Mass.*
DICKINSON WOODRUFF RICHARDS, Salutatory Oration, *Litchfield*
FRANK WHETSTONE HOPKINS, Philosophical Oration, *Cincinnati, O.*
FREDERICK MORSE SMITH, Philosophical Oration, *Hartford*

Frank Goodrich, *Auburn, N. Y.*
Alfred B. Nichols, *New Haven*
Heman C. Whittlesey, *Newington*

Wilson C. Wheeler, *New Haven*
Walter H. Buell, *Madison*
John A. Amundson, *Rochester, Minn.*

Horatio M. Reynolds, *New Haven*
Wm. H. Sherman, *Providence, R. I.*
Grant A. Smith, *Milwaukee, Wisc.*
John E. Bushnell, *Old Saybrook*
Doremus Scudder, *Brooklyn, L. I.*
Edmund F. Green, *Oakland, Cal.*

Edward M. Bentley, *Ellenville, N. Y.*
Robert W. Selden, *Brandon, Vt.*
Frederic W. Keator, *Moline, Ill.*
Edward P. Noyes, *Wilmington, Mass.*
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Wm. L. Allen, Jr., *Brooklyn, N. Y.*
James E. Newcomb, *New London*

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William R. Barbour, *New Haven*
Henry W. Taft, *Cincinnati, O.*
Samuel S. Sewall, *Bath, Me.*

Chas. H. Richardson, *Groton, Mass.*
Edward C. Spencer, *St. Paul, Minn.*
William A. Purington, *Fairfield, Me.*
Wm. R. Innis, *Poughkeepsie, N. Y.*
Wm. A. Peters, *Wilkes Barre, Pa.*

DISPUTES

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Edwin C. Ward, *Farmington*
Henry C. Ordway, *Hempstead, N. H.*
Wirt D. Walker, *Chicago, Ill.*

Thomas R. Morrow, *Hartford*
LeRoy B. Peckham, *Lebanon*
Max Stern, *Hartford*
Henry Trowbridge, Jr., *New Haven*

Smith F. Phillips, *E. Chatham, N. Y.*
James H. Watson, *Brooklyn, N. Y.*
Elias W. Davis, *Worcester, Mass.*

Preston King, *Minneapolis, Minn.*
D. Collin Wells, *Fayetteville, N. Y.*
George D. White, *New York City*

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Charles L. Sherman, *Castleton, Vt.*

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Lawrence Wilkinson, *Greenwich*
Charles N. Ransom, *Colchester*
William T. Haviland, *Bridgeport*
John T. Hubbard, *Litchfield*
Wm. R. Purple, *Springfield, Mass.*

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William E. Decrow, *Bangor, Me.*
Charles F. Bliss, *New Haven*
Frank H. Ayer, *Nashua, N. H.*
Frank W. Booth, *Bennington, Vt.*

William G. Daggett, *New Haven*
Charles W. Haines, *Colchester*
Robert DeL. Martin, *Tiffin, O.*
TenEyck Wendell, *Canenovia, N. Y.*
Henry W. Aiken, *Millbury, Mass.*

The graduating class numbered one hundred and twenty-two.

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ARTHUR E. BOSTWICK, *Litchfield*
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Levi A. Eliel, *Chicago, Ill.*
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William B. Hill, *New Haven*
George E. Ide, *Brooklyn, N. Y.*
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Edward L. Twombly, *Boston, Mass.*
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Everett Warren, *Scranton, Pa.*

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Reuben P. Hallock, *Rocky Point, N. Y.*
John R. McKee, *Pittsburgh, Pa.*
William W. K. Nixon, *Chicago, Ill.*
Thomas B. Osborne, *New Haven*
Edward L. Simonds, *New Orleans, La.*
Henry N. Tuttle, *Chicago, Ill.*
Howard T. Walden, *Brooklyn, N. Y.*

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Lasell H. White, *Richmondville, N. Y.*

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WOOLSEY Scholar, Class of 1881—PHILIP G. BARTLETT
WOOLSEY Scholar, Class of 1882—BENJAMIN BREWSTER
WOOLSEY Scholar, Class of 1883—ELIAKIM H. MOORE, Jr.

PREMIUMS AWARDED DURING THE YEAR 1879–80

UNIVERSITY PRIZE

JOHN A. PORTER Prize—EDWIN B. GOODELL, B.A., of the Class of 1880, Department of Law

Committee of Award: Professor S. Wells Williams, LL.D.
Professor Arthur W. Wright, Ph.D.
John W. Alling, M.A., New Haven

ACADEMICAL DEPARTMENT

LARNED Scholarship, Class of 1879—John G. C. Sonn, B.A.
LARNED Scholarship, Class of 1880—William M. Hall
CLARK Scholarship, Class of 1880—William M. Hall
W. W. DEFOREST Scholarship, Class of 1880—Sidney C. Partridge
WOOLSEY Scholarship, Class of 1883—Eliakim H. Moore, Jr.
HURLBUT Scholarship, Class of 1883—Joseph M. Lewis
THIRD Freshman Scholarship, Class of 1883—Horace D. Taft
DEFOREST Medal, Class of 1880—John A. Amundson
TOWNSEND Premiums for English Composition, Class of 1880—Edward M. Bentley, Donald Y. Campbell, William M. Hall, Alfred B. Nichols, Edward P. Noyes
COBDEN Club Medal for proficiency in Political Economy, Class of 1880—George D. White
PREMIUM for solution of Astronomical Problems, Class of 1880—Wilson C. Wheeler
SCOTT Prize in German, Class of 1880—Frank Goodrich
SCOTT Prize in French, Class of 1881—Francis H. Tichenor
WINTHROP Prizes, Class of 1881: 1st Prize, Adrian S. Van de Graaff; 2d Prize, Benjamin W. Bacon

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1881

1st Prize, James Leighton; 2d Prizes, Philip G. Bartlett, Joseph D. Burrell, Charles P. Coffin, John C. Coleman, Sherman Evarts, William B. Hill, George E. Ide, Adrian S. Van de Graaff, Henry C. White

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1882

1st Term: 1st Prizes, William W. Barrow, Benjamin Brewster, David Kinlay, Jr., Charles B. Storrs, Joseph E. Whitney, Franklin E. Worcester; 2d Prizes, Charles E. Blumley, Wayland I. Bruce, Charles W. Burpee, Henry S. Snyder, Bernard Titche; 3d Prizes, Frank F. Abbott, Morgan H. Beach, Asa P. French, Harry C. Fries, Theodore Holland

2d Term: 1st Prizes, Cyrus Bentley, Jr., Charles E. Blumley, Benjamin Brewster, Henry S. Snyder, Charles B. Storrs; 2d Prizes, Wayland I. Bruce, Barclay Johnson, David Kinlay, Jr., Walter Murphy, Franklin E. Worcester; 3d Prizes, John R. Bishop, William Churchill, Burnside Foster, Daniel S. Sanford, Joseph E. Whitney

PRIZES FOR DECLAMATION, CLASS OF 1882

1st Prize, Asa P. French; 2d Prize, Theodore Holland; 3d Prize, Burnside Foster.

MATHEMATICAL PRIZES

Class of 1882—1st Prize, George E. Curtis; 2d Prize, Barclay Johnson; 3d Prize, John L. Wells

Class of 1883—1st Prize, Eliakim H. Moore, Jr.; 2d Prizes, Isaac B. Newton, Frank B. Stevens; 3d Prizes, Forrest G. Small, Horace D. Taft

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1883

1st Prizes, Arthur B. Cornwall, Stephen L. Geisthardt, Charles M. Kendall, Joseph M. Lewis, Eliakim H. Moore, Jr., William Price; 2d Prizes, George P. Carroll, George W. Johnston, Fred W. Kellogg, Allen C. Loomis, Walter E. Nettleton, Samuel B. Platner, Charles C. Sherman, Horace D. Taft

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SHEFFIELD SCIENTIFIC SCHOOL

Class of 1880

PRIZE FOR EXCELLENCE IN GERMAN, Frank M. Collin, with honorable mention of George H. Clark and E. Theophilus Liefeld

PRIZE FOR EXCELLENCE IN FRENCH, Dwight Porter

PRIZE FOR EXCELLENCE IN CIVIL ENGINEERING, Dwight Porter

Class of 1881

PRIZE FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, William M. Wood, with honorable mention of George F. Bosworth, Jeme Tien Yow, and Willis B. Wright

Class of 1882

PRIZE FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Harry W. Casey and Frank J. Lambert

PRIZE FOR EXCELLENCE IN GERMAN, Frederick W. LaForge and Norman S. Latham, with honorable mention of Kü Yung Chun

PRIZE FOR EXCELLENCE IN MATHEMATICS, Harry W. Casey and Frank J. Lambert

PRIZE FOR EXCELLENCE IN PHYSICS, Harry W. Casey

PRIZE FOR EXCELLENCE IN CHEMISTRY, Frank J. Lambert

PRIZE FOR EXCELLENCE IN DESCRIPTIVE GEOMETRY, Harry W. Casey and Frank J. Lambert

PRIZES FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prizes, Henry J. Biddle, Harry W. Casey, James J. Drummond, Robert O. Dubois, Frederick W. LaForge, and Sheldon E. Minor: 2d prizes, Nathan G. Bozeman, Alexander B. Johnson, Norman S. Latham, and Lewis V. Pirsson.

Class of 1883

PRIZE FOR THE BEST ENTRANCE EXAMINATION, John A. Allen, New Haven

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DEPARTMENT OF LAW

TOWNSEND PRIZE, for pronouncing the best oration at graduation, Class of 1880—Ezra A. Tuttle, Oswego, N. Y.

Committee of Award: Hon. D. M. Key, Chattanooga, Tenn.
Hon. R. M. Averill, Danbury
Rev. Jonathan Edwards, Grantville, Mass.

JEWELL PRIZE, for the best examination at graduation, Ezra A. Tuttle, Oswego, N. Y.

BETTS PRIZE, for the best examination on the studies of Junior year, Class of 1881—John P. Bartlett, Ph.B., New Britain

HONORS

[These lists comprise the names of the five in each class who received the highest marks at the annual examination.]

Class of 1880

Ezra Armstrong Tuttle (Jewell Prize)
Amos Avery Browning, Ph.B., Norwich
Samuel Leonard Tingley Carvell, Hampton, Canada
Albert Lewis Talcott, Ph.B. Mount Union College } Jefferson, Ohio
James Hodge McLean, Trenton, Ga.

Class of 1881

John Pomeroy Bartlett (Betts Prize)
Edwin Allan Smith, New Haven
Murray Corrington, B.A. Knox College } Peoria, Ill.
Oswin Hart Doolittle Fowler, Ph.B., North Haven
William Ward Bailey, B.A., New Haven

The last edition of the Triennial Catalogue of the Graduates was published in June, 1880. Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

The Annual Catalogue will be sent regularly to all graduates who may express the desire to receive it, and who furnish their addresses for the purpose.

For Catalogues and other information, address

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1881–82

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1881

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ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College: from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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SECRETARY

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CALENDAR

1881		
15 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
29 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Saturday	School of the Fine Arts, term begins.
5 Oct.	Wednesday	Examination for admission, Department of Medicine.
6 Oct.	Thursday	First Term, Department of Medicine, begins.
22 Dec.	Thursday	FIRST TERM ends.
		Winter Vacation of three weeks.
1882		
12 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
30 March	Thursday	Junior Exhibition.
30 March	Thursday	Winter Term, Department of Law, ends.
5 April	Wednesday	SPRING RECESS begins.
12 April	Wednesday	SPRING RECESS ends.
13 April	Thursday	Third Term, Dep't of Medicine, begins.
13 April	Thursday	Spring Term, Department of Law, begins.
6 May	Saturday	Berkeley Scholarship Examination.
16, 17 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
18 May	Thursday	Anniversary, Department of Theology.
22 May	Monday	Woolsey Scholarship Examination begins.
22 May	Monday	Winthrop Prize Examination.
31 May	Wednesday	School of the Fine Arts, term ends.
23 June	Friday	DeForest Prize Speaking.
25 June	Sunday	Baccalaureate Sermon.
26 June	Monday	Presentation for Degrees, Academical Dep't.
26 June	Monday	Anniversary of the Department of Medicine.
27 June	Tuesday	Anniversary of the Society of Alumni.
27 June	Tuesday	Anniversary of the Sheffield Scientific School.
27 June	Tuesday	Anniversary of the Department of Law.
28 June	Wednesday	COMMENCEMENT.
29, 30 June, 1 July	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.
		Summer Vacation of eleven weeks.
12, 13 Sept.	Tuesd., Wedn.	Examinations for admission.
14 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
28 Sept.	Thursday	Fall Term, Department of Law, begins.
4 Oct.	Wednesday	Examination for admission, Department of Medicine.
5 Oct.	Thursday	First Term, Department of Medicine, begins.
21 Dec.	Thursday	FIRST TERM ends.

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PRESIDENT, *and Clark Professor of Moral Philosophy and Metaphysics* (7 TR.) 31 Hillhouse av.

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Professor of Homiletics and the Pastoral Charge
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Rev. JOHN HALL, D.D., *on Lessons from other Churches and other Times*

Rev. PHILLIPS BROOKS, D.D. (Subject to be announced.)

Prof. LEONARD J. SANFORD, M.D., *on the Preservation of Health*

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PURSUING FOURTH YEAR STUDIES

Chauncey Marvin Cady, B.A. and B.D., Oberlin College	*Ann Arbor, Mich.*	31 E.
Joseph Frederic Flindt, Ripon Coll., and Andover Theol. Sem.	*Capioma, Kan.*	50 E.
Frank Sargent Hoffman, B.D., B.A. Amherst College	*Galesburg, Ill.*	84 W.
Isaac Althaus Loos, B.D., B.A. Otterbein University (on a special Fellowship)	*Upper Bern, Pa.*	11 E.
Charles Albert Perry, B.A. Bowdoin College, Andover Theol. Sem.	*Brunswick, Me.*	45 E.
John Edward Russell, B.D., B.A. Williams College	*Walpole, N. H.*	51 E.
Charles Henry Willcox, B.A., B.D., (On the Hooker Fellowship)	*Chicago, Ill.*	82 W.

GRADUATE CLASS, 7

SENIOR CLASS

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Edward Haughton Ashmun, B.A. Tabor College	*Weeping Water, Nebr.*	23 E.
Arthur Dart Bissell, B.A. Amherst College	*Ahmednagar, India*	19 E.
George Francis Comstock, B.A. Brown University	*Woonsocket, R. I.*	70 W.
Charles Everett Dealand, Dartmouth College	*Alton, N. H.*	10 E.
Amos Trout Fox, B.L. Bethany College	*Mount Pleasant, Pa.*	89 W.
John Lester Franklin, B.A.	*New Haven*	21 E.
Winthrop Butler Hawks, B.A. Marietta College	*Marietta, O.*	97 W.
Charles Edward Herbert, B.A. Amherst College	*Monroe*	67 W.
John Jacob Hill, B.A.	*Pittsburgh, Pa.*	47 E.
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Frederic Van Wie Hoyt, B.A. Olivet College	*Saline, Mich.*	32 E.
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William Wells Jordan, B.A. Marietta College	*Fairfield, Iowa*	91 W.
Nestor Light, B.A. Oberlin College	*New Haven*	99 W.
George Lindsay, Tabor College	*Tabor, Iowa.*	25 E.
Donald McDougall, East Missionary College, London	*Uist, Scotland*	35 E.
William Gerry Mann, B.A. Colby University	*Skowhegan, Me.*	49 E.
William McCracken Milroy, B.A. Geneva College	*Northwood, O.*	100 W.
William Augustine Munson, M.A. Wesleyan University	*New Haven*	67 W.
Edward McArthur Noyes, B.A.	*New Haven*	98 W.
Clark Chester Otis, B.A. Olivet College	*Olivet, Mich.*	7 E.
Charles Huntington Peck, M.A.	*New London*	7 E.
Richard Evans Peregrine, Memorial Coll., S. Wales,	*Maesteg, Wales*	42 E.
James Amos Porter, B.A. Wooster University	*Vandalia, Mo.*	104 W.
Alfred Playfair Powelson, M.A. Adrian College	*Plainfield, O.*	29 E.

William Grafton Roberts, M.A. Adrian College	*Hudson, Mich.*	78 W.
Clifford Hayes Smith, B.A. Dartmouth College	*West Brattleboro, Vt.*	27 E.
David Espy Todd, B.A. Illinois College	*Morton, Ill.*	102 W.
John Ellery Tuttle, B.A. Amherst College	*Perry, Me.*	92 W.
Francis Hubbard Viets, B.A. Brown University	*East Granby*	8 E.
Albert Warren, B.A.	*Leicester, Mass.*	4 E.
Charles Edgar Wilbur, M.A. Adrian College	*Manorville, N. Y.*	80 W.

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MIDDLE CLASS

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William Irons Beatty, B.A. Western College	*Western, Iowa*	35 Sylvan av.
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Edwin Charles Holman, Dartmouth College	*New Ipswich, N. H.*	12 E.
Anthony Howells, Bala College	*Dowlais, South Wales*	96 W.
Charles Henry Keays, B.A. McGill University	*Hamilton, Canada*	15 E.
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James Leslie McCollum, B.A. Berea College	*Foster, Ky.*	39 E.
Oscar Garland McIntire, B.A. Dartmouth College	*Manchester, N. H.*	52 E.
Levi Marshall, B.A Wooster University	*Carrollton, O.*	38 E.
Lycurgus Elmer Pangburn, M.A. Tabor College	*DesMoines, Iowa*	13 E.

Sidney Catlin Partridge, B.A.	*Brooklyn, N. Y.*	34 E.
Milton Sargent Phillips, B.A. Drury College	*Tuscumbia, Mo.*	46 E.
Frederick Joseph Pohl, Oberlin College	*Brooklyn, N. Y.*	81 W.
Henry Lewis Richardson, B.A. University of Wisconsin	*Berlin, Wisc.*	110 W.
Herman Mourus Schermerhorn, Union College	*Schenectady, N. Y.*	79 W.
Robert Mann Strickler, University of Virginia	*Philippi, W. Va.*	20 Clark st.
Henry Whitby, Brecon College	*Dowlais, South Wales*	111 W.
David Gourley Wylie, B.A. Geneva College	*Belle Center, O.*	100 W.

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JUNIOR CLASS

Edwin Edgerton Aiken, B.A.	*Rutland, Vt.*	26 E.
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Benjamin Wisner Bacon, B.A.	*Norwich*	26 E.
Benjamin Franklin Boller, B.A. Hillsdale College	*Ligonier, Ind.*	18 E.
John Eichelberger Bushnell, B.A. Roanoke College	*Winchester, Va.*	53 E.
Charles Newman Curtis, B.A. Drury College	*Springfield, Mo.*	41 E.
Samuel Whitney Delzell, B.A. Drury College	*Henderson, Mo.*	46 E.
Charles Henry Dickinson, B.A. Amherst College	*Northampton, Mass.*	105 W.
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Arthur Pinkney Hall, B.A. Drury College	*North Springfield, Mo.*	41 E.
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Henry William Hunt, B.A. Olivet College	*Columbus, Mich.*	115 W.

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Francis Woodard, B.L. Indiana University	*Coloma, Ind.*	48 E.
	JUNIOR CLASS,	32

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Rudolf Wurts, B.A.	*New Haven*	65 Whitney av.

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Charles Tiffany Gilbert	*New Haven*	28 Ward st.
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William Michael Powers	*Hartford*	Hartford
Henry Lawrence Swain	*New Haven*	70 Woolsey st.

FIRST YEAR, 10

SUMMARY

SECOND YEAR,	11
FIRST YEAR,	10
TOTAL,	21

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Robert Edward Hall	*Bantam Falls*	4 Orange st.
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Sherman Hartwell Hubbard	*Bridgeport*	Bridgeport
Walter Simeon Judd	*Litchfield*	158 York st.
Frederic William Keator, B.A.	*Moline, Ill.*	464 Chapel st.
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Winthrop Hoyt Perry, B.A.	*Southport*	Southport
Edward Freeman Porter, PH.B.	*Stowe, Vt.*	238 York st.
John Bliss Porter, B.A.	*New Haven*	432 Chapel st.
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Nelson Royal	*Coventry*	168 George st.
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John Alden Stoughton	*Hartford*	Hartford
Arthur Mortimer Taft	*Worcester, Mass.*	128 High st.
Eugene Winston Walker, B.A.	*Richmond, Ky.*	432 Chapel st.
Edwin Carrington Ward, B.A.	*Farmington*	102 N.

SENIORS, 20

JUNIOR CLASS

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Walter Thompson Baggs	*Stockton, Cal.*	168 George st.
David Birch	*New York City*	98 Olive st.
Cormac Francis Bohan	*Pittston, Pa.*	103 Howe st.
Otis Hayford Briggs, B.A.	*New Haven*	50 S. M.
Charles Wellington Brown, A.B. Blackburn University	*Carlinville, Ill.*	126 High st.
Frederick Hull Cogswell	*New Haven*	432 Chapel st.
Alfred Michael Downes	*New Haven*	103 Howe st.
Edward Thomas Evans, B.A.	*Pittsburgh, Pa.*	494 Chapel st.
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Nathaniel Taylor Guernsey, B.A.	*New Haven*	104 Howe st.
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John Tomlinson Hubbard, B.A.	*Litchfield*	128 High st.
Charles Kleiner	*New Haven*	56 George st.
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Charles Bennett Perry	*Oxford*	89 Wooster st.
Walter Pond	*New Haven*	99 St. John st.
George Lewis Sargent, PH.B.	*New Haven*	51 Elm st.
Bernard Joseph Shanley, PH.B.	*New Haven*	211 Franklin st.
William Irving Shaw	*Clearfield, Pa.*	154 Church st.
George Shiras, 3d, B.S. Cornell University	*Pittsburgh, Pa.*	242 York st.
Richard Teft	*Sandy Hill, N. Y.*	529 Chapel st.
Richard Lindsay Trumbull, PH.B.	*Talcahuano, Chili*	18 Trumbull st.
Frank Hibbard Wadsworth	*Farmington*	148 Orange st.
Arthur Eugene Walradt, B.A.	*Chester, Mass.*	432 Chapel st.
Willard Douglas Warren	*New Haven*	184 Grove st.
Sain Welty, B.A. Illinois Wesleyan University	*La Rose, Ill.*	495 Winthrop av.
Henry Charles White, B.A.	*New Haven*	174 Orange st.
Charles William Willett	*Suffield*	432 Chapel st.

JUNIORS, 39

SPECIAL STUDENT

Remsen Varick Messler, B.A.	*Pittsburgh, Pa.*	242 York st.

SUMMARY—GRADUATE STUDENTS, ... 8
SENIORS, ... 20
JUNIORS, ... 39
SPECIAL STUDENT, ... 1
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EDWARD S. DANA, Ph.D.
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HENRY W. FARNAM, M.A.

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Edward Bailey, PH.B.	*Harrisburg, Pa.*	489 Chapel st.
Danford Newton Barney, B.A.	*Farmington*	86 W.
Phillip Golden Bartlett, B.A.	*Washington, D. C.*	86 W.
Russel Anson Bigelow, B.A.	*New Haven*	34 S. M.
Arthur Elmore Bostwick, B.A.	*Litchfield*	34 S. M.
George Frederick Bosworth, PH.B.	*Milford*	
Walter Ray Bridgman, B.A.	*Cleveland, O.*	29 High st.
Frank Russell Childs, B.A.	*Hartford,*	Hartford
Oscar Henry Cooper, B.A.	*Huntsville, Tex.*	41 S. M.
Charles Newman Curtis, B.A. Drury College	*Springfield, Mo.*	41 E.
Henry Strong Durand, B.A.	*Rochester, N. Y.*	143 Orange st.
John Slade Ely, PH.B.	*New York City*	57 N. S. H.
George Levi Fox, B.A.	*New Haven*	7 College st.
Thomas Dwight Goodell, B.A.	*Hartford*	Hartford
Charles Hildebrand, D.E.	*New Haven*	34 Chestnut st.
William Burr Hill, B.A.	*New Haven*	183 George st.
Alfred Edwards Hooker, B.A.	*New Haven*	62 Prospect st.
Joseph Frederick Klein, D.E.	*New Haven*	14 Whalley av.
Samuel Waldron Lambert, B.A.	*New York City*	90 High st.
Sarkis Levonian, Central Turkey College	*Aintab, Turkey*	72 High st.
George Sigmund Linde, B.A.	*New Haven*	133 Congress av.
Edwin Linton, M.A. Washington and Jefferson College, Pa.	*Washington, Pa.*	49 Grove st.
Isaac Althaus Loos, B.D., M.A. Otterbein University	*Upper Bern, Pa.*	11 E.
Frank Benjamin Lucas, B.A.	*Poquetannock*	125 Dwight st.
Herbert Miller, M.A. Hobart College	*New Haven*	120 Dwight st.
William McCracken Milroy, B.A. Geneva College	*Northford, O.*	100 W.
Marcus Daty Munn, PH.B.	*Southington*	55 N. S. H.
Edmund Clarence Norton, B.A. Amherst College	*Northfield, Minn.*	92 W.
Harold Bayless Nye, B.A. Marietta College	*Marietta, O.*	91 W.
Charles Booth Peck, B.A.	*Bridgeport*	
Samuel Lucius Penfield, B.A.	*Catskill, N. Y.*	14 S. H.
Horatio McLeod Reynolds, B.A.	*New Haven*	102 N.
Alfred Lawrence Ripley, B.A.	*Andover, Mass.*	58 S. M.

Orray Taft Sherman, B.A.	*New Haven*	4 Library st.
Isaac Thomas, B.A.	*West Chester, Pa.*	75 W.
Ambrose Tighe, B.A.	*Brooklyn, N. Y.*	70 N. M.
William H. Treadwell, Jr., PH.D. University of Heidelberg	*Portsmouth, N. H.*	12 Whalley av.
Richard Lindsay Trumbull, PH.B.	*Talcahuano, Chili*	18 Trumbull st.
Frank Charles Warner, PH.B.	*West Suffield*	305 Orange st.
Frank Hyde Waters, B.S. Eminence College, Ky.	*Garrettsville, O.*	21 Home pl.
Robert William Watson, PH.B.	*Ashtabula, O.*	489 Chapel st.
Arthur Burnham Woodford, PH.B.	*West Winsted*	16 S. H.
George Woolsey, B.A.	*New Haven*	250 Church st.

GRADUATES, 44

UNDERGRADUATE ACADEMICAL DEPARTMENT

FACULTY

Rev. NOAH PORTER, D.D., LL.D., President
ELIAS LOOMIS, LL.D.
JAMES D. DANA, Ph.D., LL.D.
THOMAS A. THACHER, LL.D.
Hon. EDWARD J. PHELPS, LL.D.
HUBERT A. NEWTON, LL.D.
LEWIS R. PACKARD, Ph.D.
CYRUS NORTHROP, LL.B.
ARTHUR M. WHEELER, B.A.
J. WILLARD GIBBS, Ph.D.
ARTHUR W. WRIGHT, Ph.D.
Rev. WILLIAM M. BARBOUR, D.D.
EUGENE L. RICHARDS, B.A.
WILLIAM I. KNAPP, Ph.D.
FRANKLIN B. DEXTER, M.A., *Registrar*
TRACY PECK, M.A.
WILLIAM G. SUMNER, B.A.
Rev. GEORGE T. LADD, D.D.
HENRY P. WRIGHT, Ph.D.
HENRY A. BEERS, B.A.
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THOMAS D. SEYMOUR, M.A.
OSCAR H. COOPER, B.A.
FRANK B. TARBELL, Ph.D.
WILLIAM BEEBE, B.A.
ANDREW W. PHILLIPS, Ph.D.
ARTHUR T. HADLEY, B.A.
WEBSTER MERRIFIELD, B.A
CHARLES C. CAMP, B.A.
ALFRED L. RIPLEY, B.A.

SENIOR CLASS

Frank Frost Abbott	*Redding*	168 F.
James Ferguson Allen	*New Haven*	173 F.
Martin Smith Allen	*Brooklyn, N. Y.*	211 D.
Albert Hoffman Atterbury	*Trenton, N. J.*	123 N.
Walter Irving Badger	*Boston, Mass.*	134 F.
William Elder Bailey	*Harrisburg, Pa.*	216 D.
Harry Rudolph Baltz	*Philadelphia, Pa.*	221 D.
Erwin Hinckley Barbour	*Oxford, O.*	151 F.
Henry Weldon Barnes	*Pittsburgh, Pa.*	230 D.
Floyd Julius Bartlett	*Warsaw, N. Y.*	231 D.
Mortimer Stratton Bate	*Brooklyn, N. Y.*	202 D.
Robert Parker Bates	*Bennington, Vt.*	162 F
Morgan Hawley Beach	*Alexandria, Va.*	238 D.
John Fred Beede	*Meredith Village, N. H.*	152 F.
Samuel Bennett, Jr.	*White Hall, Ky.*	219 D.
Cyrus Bentley, Jr.	*Chicago, Ill.*	224 D.
Charles Kingsbury Billings	*New York City*	220 D.
Charles Edward Blumley	*Norwich*	73 N. M.
George Shepard Boltwood	*New Haven*	77 Wall st.
Benjamin Brewster	*New Haven*	170 F.
Ferree Brinton	*Philadelphia, Pa.*	238 D.
Fred John Brockway	*Hopkinton, N. H.*	106 N.
Nathaniel Richardson Bronson	*Waterbury*	156 F.
Wayland Irving Bruce	*Poughkeepsie, N. Y.*	213 D.
James Alexander Campbell	*St. Louis, Mo.*	228 D.
David Anderson Chenault, Jr.	*Richmond, Ky.*	219 D.
William Churchill	*New Haven*	69 N. M.
Stephen Merrill Clement, Jr.	*Buffalo, N. Y.*	132 F.
Edwin Bradford Cragin	*Colchester*	138 F.
Bryan Cumming	*Augusta, Ga.*	138 F.
George Edward Curtis	*Birmingham*	165 F.
Theodore Cuyler	*Philadelphia, Pa.*	223 D.
Frederick Orren Darling	*New York City*	224 D.
Edwin Lynde Dillingham	*Bangor, Me.*	222 D.
Franklin Maynard Eaton	*St. Stephens, N. B.*	216 D.
James Richard Ely	*New York City*	26 S.
Frank Cooley Farwell	*Chicago, Ill.*	223 D.
Augustine FitzGerald	*Litchfield*	206 D.
Carlton Alexander Foote	*New Haven*	347 Howard av.
Wilbur Harvey Nash Ford	*Milford*	25 Park st.
Burnside Foster	*Boston, Mass.*	227 D.
Asa Palmer French	*Braintree, Mass.*	228 D.
Joseph Emanuel Friend	*Milwaukee, Wisc.*	25 High st.

Harry Chambers Fries	*Philadelphia, Pa.*	221 D.
Frank Runyon Gallaher	*Brooklyn, N. Y.*	237 D.
Henry Washburn Gardes	*New Orleans, La.*	464 Chapel st.
Charles Burr Graves	*New London*	151 F.
George Heber Graves	*New Haven*	170 F.
Herbert Stanton Griggs	*St. Paul, Minn.*	130 F.
Alfred Chapman Hand	*Honesdale, Pa.*	142 F.
John Russell Hanlon	*Pennington, N. J.*	73 N. M.
Charles Burnell Hawkes	*New Haven*	105 Martin st.
Charles Samuel Hebard	*Pequaming, Mich.*	140 F.
Theodore Holland	*New York City*	229 D.
Samuel Cornell Hopkins	*Catskill, N. Y.*	229 D.
Henry Clarke Jefferds	*Bangor, Me.*	222 D.
Barclay Johnson	*New York City*	22 S.
Frank Albert Kellogg	*New Haven*	167 George st,
John Prescott Kellogg	*Waterbury*	206 D.
James Henry Kingman	*New Bedford, Mass.*	152 F.
Alfred Beard Kittredge	*East Jaffrey, N. H.*	220 D.
Howard Hoyt Knapp	*South Norwalk*	134 F.
George William Lay	*Easton, Md.*	124 N.
Charles Henry Lewis	*Naugatuck*	213 D.
Charles Jonas Long	*Wilkes Barre, Pa.*	155 F.
Seymour Crane Loomis	*Suffield*	305 Orange st.
Martin Lovering	*Harvard, Mass.*	173 Whalley av.
Fred. Messenger Lowe	*Fitchburg, Mass.*	148 F.
Chester Wolcott Lyman	*New Haven*	132 F.
Enoch Wilber McBride	*Goshen, N. Y.*	135 F.
Harry Chapman McKnight	*Ellington*	181 L.
Daniel Walton McMillan	*Philadelphia, Pa.*	131 F.
Herbert Lyman Moodey	*Brooklyn, N. Y.*	202 D.
Charles Newton Morris	*West Hartford*	172 F.
Walter Murphy	*Philadelphia, Pa.*	148 F.
Arthur Sherwood Osborne	*New Haven*	227 D.
Frank Edward Page	*Bath, Me.*	162 F.
Josiah Culbert Palmer	*Brooklyn, N. Y.*	231 D.
William Scranton Pardee	*New Haven*	327 George st.
Samuel Maxwell Parke	*Pittston, Pa.*	164 F.
William Henry Parsons, Jr.	*Rye, N. Y.*	237 D.
Chauncey Howard Pember	*Rockville*	214 D.
Richard Henry Pierce	*Hopkinton, Mass.*	214 D.
Henry Barstow Platt	*Owego, N. Y.*	135 F.
William Pollock	*New York City*	203 D.
Julius Howard Pratt, Jr.	*Montclair, N. J.*	124 N.
James Quackenbush Rice	*Goshen*	163 F.
Charles Edward Richards	*Keene, N. H.*	142 F.
George Parker Richardson	*Bath, Me.*	201 D.
Robert Mayo Rolfe	*Auburn, Me.*	106 N.
John Rossiter	*North Guilford*	181 L.

Benjamin Huger Rutledge	*Charleston, S. C.*	109 Elm st.
Daniel Sammis Sanford	*Redding Ridge*	168 F.
Arthur Scranton	*Scranton, Pa.*	141 F.
Charles Locke Scudder	*Great Barrington, Mass.*	172 F.
Caleb Wright Shipley	*Cincinnati, O.*	239 D.
Levi Ives Shoemaker	*Wilkes Barre, Pa.*	173 F.
Charles Mather Sholes	*Newport, N. H.*	211 D.
Edward Vernon Silver	*Brooklyn, N. Y.*	177 F.
Lewis Mann Silver	*Brooklyn, N. Y.*	177 F.
Clarence Austin Smith	*Birmingham*	166 F.
Frank Hiram Snell	*Washington, D. C.*	212 D.
Henry Speke Snyder	*Philadelphia, Pa.*	301 Elm st.
Charles Stillman	*New York City*	235 D.
Charles Bigelow Storrs	*New York City*	139 F.
Howard Peck Sweetser	*New York City*	239 D.
Bernard Titche	*Rayville, La.*	165 F.
William Grandin Vought	*Buffalo, N. Y.*	230 D.
Tracy Waller	*New London*	235 D.
Daniel B. Weaver	*Lancaster, Pa.*	166 F.
Edward Odell Weed	*New York City*	212 D.
Martin Welles	*Newington*	163 F.
John Lewis Wells	*Fayetteville, N. Y.*	131 F.
Thomas McDonnell Wentworth	*Racine, Wisc.*	143 F.
Joseph Ernest Whitney	*Cornwall*	139 F.
Charles Albert Wight	*North Hatfield, Mass.*	143 F.
Emmet Smith Williams	*Meriden*	215 D.
Harry Lucien Williams	*Northampton, Mass.*	201 D.
Franklin Eldred Worcester	*Albany, N. Y.*	209 D.
Arthur Bethuel Wright	*New Haven*	226 York st.

SENIORS, 120

JUNIOR CLASS

John Lanson Adams	*Westport*	28 S.
Loring William Andrews	*New York City*	14 S.
Royal Sherwood Banks	*Fairfield*	7 S.
Francis Gibbons Beach	*New Haven*	144 F.
Charles Seidles Beck, Jr.	*Wilkes Barre, Pa.*	23 S.
Edward A. Beddall	*Port Carbon, Pa.*	145 F.
Frank Herbert Beede	*Dover, N. H.*	17 S.
Nelson William Bell	*New York City*	146 F.
Richard Mervin Bissell	*Chicago, Ill.*	159 F.
Philo Carpenter Black	*Dallas City, Ill.*	169 Temple st.
Lucius Boltwood	*New Haven*	77 Wall st.

Edward Increase Bosworth	*Elgin, Ill.*	115 W.
George Hill Bottome	*New York City*	4 S.
Edward Gaylord Bourne	*Sharon*	85 N. M.
Henry Eldridge Bourne	*Sharon*	85 N. M.
Arthur Eugene Bowers	*North Manchester*	120 Dwight st.
Austin Lord Bowman	*South Windsor*	9 S.
George Ernest Bowman	*South Windsor*	9 S.
David Hillhouse Buel	*Yonkers, N. Y.*	103 N.
Charles Winslow Burpee	*Waterbury*	119 N.
Charles Hudson Burr	*Bloomington, Ill.*	146 F.
George Lorenzo Burton	*New Haven*	555 Howard av.
Frederic Sanford Calhoun	*New Haven*	46 Trumbull st.
Henry Warner Calhoun	*New York City*	31 S.
William Patterson Cantwell, Jr.	*Malone, N. Y.*	98 N.
Woolsey Carmalt	*New York City*	6 S.
Albert Carr	*Collinsville*	114 N.
George Prentiss Carroll	*Forestville*	10 S.
Henry Carver	*Doylestown, Pa.*	8 S.
Livingston Reade Catlin	*New York City*	28 S.
Francis Davis Chamberlain	*West Chester, Pa.*	149 F.
Henry Morton Chase	*Syracuse, N. Y.*	108 N.
Samuel Beresford Childs	*East Hartford*	86 Grove st.
Charles Cameron Clarke, Jr.	*Sing Sing, N. Y.*	11 S.
Gilbert Colgate	*Orange, N. J.*	29 S.
Charles Farnham Collins	*Newport, R. I.*	144 F.
Robert Harrison Cornish	*Gillette, N. J.*	4 S.
Arthur Bradford Cornwall	*New Haven*	90 N. M.
Charles Rogers Corwith	*Chicago, Ill.*	32 S.
John Franklin Craul	*Kralltown, Pa.*	17 S.
George Cromwell	*Brooklyn, N. Y.*	232 D.
Frank Cunningham	*New York City*	101 N.
Arnold Guyot Dana	*New Haven*	6 S.
Laurent Clerc Deming	*Hartford*	29 S.
Edward Nelson Dingley	*Lewiston, Me.*	129 F.
Maurice Edwards Dunham	*Edgartown, Mass.*	16 S.
Everett James Esselstyn	*Hollowville, N. Y.*	75 N. M.
Seward Henry Fields	*Atlanta, Ill.*	158 F.
Arthur Lyman Fisk	*Northampton, Mass.*	16 S.
Henry Edward Fisk	*Chicago, Ill.*	90 N. M.
Henry Titus Folsom	*Orange, N. J.*	210 D.
Charles Jenkins Foote	*New Haven*	74 N. M.
Charles Seward Foote	*Port Henry, N. Y.*	103 N.
Henry Anthon Forchheimer	*Mobile, Ala.*	13 Home pl.
Robert Aldrich Fosdick	*Stamford*	2 S.
William Fosdick	*Stamford*	464 Chapel st.
Elihu Brintnal Frost	*Peekskill, N. Y.*	210 D.
Herbert Loring Frost	*Cleveland, O.*	161 F.
John William Galbraith	*Erie, Pa.*	140 F.

Stephen Leonard Geisthardt	*Norwich*	7 S.
William Irwin Grubb	*Cincinnati, O.*	105 N.
Charles Harris Hall	*Binghamton, N. Y.*	154 F.
Charles Halsey	*Brooklyn, N. Y.*	232 D.
Clifford Dudley Ham	*Dubuque, Iowa*	145 F.
Charles William Harkness	*Cleveland, O.*	215 D.
Benjamin Vincent Harrison	*Montclair, N. J.*	149 F.
Irving Warren Hart	*Southington*	113 N.
Frederick William Havens	*Bridgeport*	1 TR.
Samuel Newhall Hawkes	*New Haven*	105 Martin st.
Victor Emanuel Helleberg	*Cincinnati, O.*	88 N. M.
Harry Roberts Hillard	*Wilkes Barre, Pa.*	104 N.
Lord Butler Hillard	*Wilkes Barre, Pa.*	30 S.
Tuthill Reynolds Hillard	*Wilkes Barre, Pa.*	104 N.
Horace George Hoadley	*New Haven*	27 S.
William James Holly	*Philadelphia, Pa.*	92 N. M.
Wilber Eugene Houpt	*Somerset, N. Y.*	174 F.
Charles Goodrich Hower	*Cleveland, O.*	140 F.
Henry Martyn Hoyt	*Kingston, Pa.*	107 N.
Louis Kossuth Hull	*Lebanon*	209 D.
Thomas D. Husted	*Peekskill, N. Y.*	101 N.
William Alfred Jackson	*Norwalk*	Norwalk
George Conkling Jennings	*Cleveland, O.*	176 F.
Samuel Rountree Jewett	*Chicago, Ill.*	174 F.
George Washington Johnston	*Frankfort, Ky.*	176 F.
Daniel Albion Jones	*Fair Haven*	Fair Haven
Francis Bartlett Kellogg	*Avon*	107 N.
Fred William Kellogg	*Red Wing, Minn.*	25 S.
Clifford Stephen Kelsey	*Bridgeport*	12 S.
Charles Martin Kendall	*Angelica, N. Y.*	204 D.
Sheldon Quayle Kerruish	*Cleveland, O.*	233 D.
Daniel Stimson Knowlton	*Biddeford, Me.*	157 F.
Harry Woodville Latham	*Bridgeport*	147 F.
Fred Churchill Leonard	*Spring Mills, N. Y.*	23 S.
Carll Andrews Lewis	*New Haven*	258 George st.
Joseph McKeen Lewis	*New York City*	27 S.
Allyn Cooke Loomis	*Windsor*	84 N. M.
Charles Loughridge	*Oskaloosa, Iowa*	108 N.
George Henry Anderson Lyford	*Cincinnati, O.*	3 S.
George Stanley Lynde	*Bangor, Me.*	76 N. M.
Oliver McKee	*Brooklyn, N. Y.*	226 D.
Edward Tompkins McLaughlin	*Litchfield*	25 S.
William Hutchinson Merrill	*Brooklyn, N. Y.*	450 Chapel st.
Kier Mitchell	*Pittsburgh, Pa.*	217 D.
Cleveland Langston Moffett	*Newton, N. J.*	13 S.
Eliakim Hastings Moore, Jr.	*Denver, Col.*	3 S.
John Atwood Moore	*St. Louis, Mo.*	97 N.
Augustus Tracy Morgan	*Binghamton, N. Y.*	75 N. M.

Marcus Morton, Jr.	*Andover, Mass.*	161 F.
Joseph Horton Nelson	*Aurora, Ill.*	159 F.
Walter Eben Nettleton	*Stockbridge, Mass.*	14 S.
Isaac Burkett Newton	*Norwich, N. Y.*	147 F.
Harry Herbert Palmer	*Sioux City, Iowa*	20 S.
Joseph Robinson Parrott	*Oxford, Me.*	71 N. M.
Dudley Phelps	*New York City*	450 Chapel st.
Francis Johnson Phelps	*Andover, Mass.*	218 D.
John Jay Phelps	*Englewood, N. J.*	217 D.
John Pierpont	*New Haven*	10 S.
Samuel Ball Platner	*Newark, N. J.*	116 N.
Austin Roe Preston	*Buffalo, N. Y*	31 S.
William Price	*Pottstown, Pa.*	92 N. M.
James Frank Raymond	*Brooklyn, N. Y.*	158 F.
David Farnam Read	*Bridgeport*	12 S.
Edward Adams Richardson	*Groton, Mass.*	113 N.
Frederick William Rogers	*Cambridge, Mass.*	32 S.
Robert Cameron Rogers	*Buffalo, N. Y.*	15 S.
Joseph James Rose	*Bridgeport*	1 TR.
Charles Edward Sackett	*Westfield, N. Y.*	194 C.
Edward Barteau Sargent	*Cincinnati, O.*	208 D.
Linton Satterthwait	*Trenton, N. J.*	84 N. M.
Andrew Linn Sawyer	*Greenwich*	163 Orange st.
Rollin Augustus Sawyer, Jr.	*Greenwich*	163 Orange st.
Frederick David Shaffer	*Cincinnati, O.*	225 D.
Stanley Shaffer	*Cincinnati, O.*	225 D.
Charles Colebrook Sherman	*Syracuse, N. Y.*	175 F.
Henry Warner Slocum, Jr.	*Brooklyn, N. Y.*	63 W.
Albert Edward Smith	*North Haven*	196 Elm st.
Clarence Melbury Smith	*Clifton, N. Y.*	204 D.
Edward Everett Smith	*Birmingham*	20 S.
Herbert Rodgers Smith	*Norwalk*	13 S.
Warren Weston Smith	*New York City*	8 S.
Thomas Shepard Southworth	*West Springfield, Mass.*	119 N.
Frank Penrose Sproul	*Pittsburgh, Pa.*	63 W.
Frank Burton Stevens	*Dover, N. H.*	88 N. M.
William Kerper Stevens	*Reading, Pa.*	154 F.
William Hamilton Stockwell	*Orange, N. J.*	129 F.
Horatio Odell Stone	*Chicago, Ill.*	210 D.
Henry Hastings Strong	*Westfield, Mass.*	71 N. M.
Albert Edmond Symington	*New York City*	218 D.
Horace Dutton Taft	*Cincinnati, O.*	105 N.
Yew Fun Tan	*Kwongtung, China*	247 Church st.
John Prentice Terry	*Brooklyn, N. Y.*	87 N. M.
Sherman Day Thacher	*New Haven*	11 S.
Henry Czar Merwin Thomson	*New Haven*	74 N. M.
Joseph Parker Trowbridge	*New Haven*	41 College st.
William Trumbull	*Valparaiso, Chili*	157 F.

Denison Baldwin Tucker	*New Haven*	91 N. M.
Harold Vernon	*Brooklyn, N. Y.*	233 D.
Frederic Denison Ward	*New York City*	91 N. M.
John Elton Wayland	*New York City*	208 D.
William Warren Weeks	*Havre, France*	97 N.
Clarence Wetherill Wilson	*Buffalo, N. Y.*	15 S.
John Butler Woodward	*Wilkesbarre, Pa.*	30 S.
Charles Halsted Yates	*Montclair, N. J.*	226 D.
Morrison Waite Young	*Toledo, O.*	160 F.

JUNIORS, 164

SOPHOMORE CLASS

Frederic Sturges Allen	*Bridgeport*	43 S. M.
Wallace Steele Allis	*Brookfield, Vt.*	81 N. M.
William Anderson	*Waterbury*	156 F.
Martin Andrews, Jr.	*Chicago, Ill.*	37 S. M.
Allison Vincent Armour	*Chicago, Ill.*	48 S. M.
Frank Oliver Ayres	*Oakham, Mass.*	65 N. M.
Louis Whittier Baldwin	*New Haven*	36 College st.
Frederic McLeod Barbour	*New Haven*	231 York st.
Charles Edwin Bedell	*Montclair, N. J.*	193 C.
Gabriel Isidore Behrisch	*Norwich*	110 Olive st.
Nelson Pendleton Bigelow	*Chicago, Ill.*	45 S. M.
George Reddington Blodgett	*Bucksport, Me.*	67 N. M.
Samuel Albert Booth	*Kensington*	44 S. M.
Wilbur Franklin Booth	*Kensington*	44 S. M.
Charles Miner Boswell	*West Hartford*	59 S. M.
Carl Eastman Botsford	*Elgin, Ill.*	169 Temple st.
Frank Davis Bowen	*Brooklyn, N. Y.*	24 S.
Robert Munro Boyd, Jr.	*Montclair, N. J.*	193 C.
William Benjamin Bristow	*New York City*	62 S. M.
Colin Sherman Buell	*Madison*	100 N.
Henry Buist, Jr.	*Charleston, S. C.*	47 S. M.
John Miller Burnam	*St. Louis, Mo.*	104 Grove st.
James William Cain	*New Haven*	58 Putnam st.
Willson Carpenter	*Shekomeko, N. Y.*	61 S. M.
Charles Eugene Carr	*New Haven*	2 Hillhouse av.
William Mearns Carswell	*Highland Falls, N. Y.*	18 S.
Neville Hart Castle	*San Francisco, Cal.*	167 Temple st.
Edward Mortimer Chapman	*Old Saybrook*	100 N.
George Marvin Cheney	*Southbridge, Mass.*	199 Crown st.
Francis Asbury Christian	*Canandaigua, N. Y.*	72 N. M.
James Milton Claggett	*Hollis, N. H.*	31 Prospect st.

George Eugene Cohen	*Pittston, Pa.*	187 C.
Edward Huntington Coley	*Westport*	192 C.
William Bradley Coley	*Westport*	192 C.
Harris Dunscomb Colt	*New York City*	58 W.
Frederick Connell	*Scranton, Pa.*	164 F.
Charles Wilson Copeland	*Brooklyn, N. Y.*	66 N. M.
Edmund Petrie Cottle	*Buffalo, N. Y.*	24 S.
Henry Boman Cromwell	*Brooklyn, N. Y.*	450 Chapel st.
Frederick Kingsbury Curtis	*New York City*	45 S. M.
Leonard Mayhew Daggett	*New Haven*	60 Wall st.
Henry Laurens Dawes, Jr.	*Pittsfield, Mass.*	234 D.
James Martin Dawson	*New York City*	458 Chapel st.
Fred Herbert Dodge	*Bangor, Me.*	182 L.
Julius Tyler Andrews Doolittle	*Utica, N. Y.*	450 Chapel st.
Frederic William Doringh	*Bristol, R. I.*	58 W.
Charles Edwin Eaton	*Orange, N. J.*	59 S. M.
Ellsworth Eliot, Jr.	*New York City*	120 York st.
Maxwell Evarts	*New York City*	90 High st.
Arthur Lincoln Farwell	*Chicago, Ill.*	234 D.
Reginald Foster	*Boston, Mass.*	4 Library st.
Gerard Fountain	*New York City*	54 S. M.
Edward Chenery Gale	*Minneapolis, Minn.*	112 N.
John Purdue Gray, Jr.	*Utica, N. Y.*	A.
Daniel Havens Griffing	*Cutchogue, N. Y.*	68 N. M.
Gustave Frederick Gruener	*New Haven*	13 Whiting st.
John Rogers Halsey, Jr.	*Brooklyn, N. Y.*	450 Chapel st.
Robert Walbridge Hamill	*Chicago, Ill.*	48 S. M.
Horace Edward Hand	*Scranton, Pa.*	57 S. M.
Wilbur Fisk Hendrix	*Fayette, Mo.*	63 S. M.
Howard Haines Higbee	*Cleveland, O.*	106 W.
Roderick Whittelsey Hine	*Lebanon*	130 F.
John Holden	*Bridgeport*	43 S. M.
Joseph Glasby Holliday	*St. Louis, Mo.*	68 W.
Charles Elmer Holmes	*North Stonington*	81 N. M.
Henry Caleb Hopkins	*Catskill, N. Y.*	155 Elm st.
Sidney Wright Hopkins, Jr.	*New York City*	A.
Edmund Otis Hovey	*Fair Haven*	18 S.
Frank Campbell Hughson	*Albany, N. Y.*	106 W.
William Hugh Hyndman	*Newburgh, N. Y.*	46 S. M.
Paul Emott Jenks	*Brooklyn, N. Y.*	37 S. M.
Charles Jesup Jennings	*Redding*	215 York st.
Reinert August Jernberg	*Fredrikshald, Norway*	27 Prospect st.
William Henry Jessup	*Montrose, Pa.*	4 Library st.
Frederic Scheetz Jones	*Monroe City, Mo.*	55 S. M.
George William Judson	*Stratford*	55 S. M.
Robert Bage Kerr	*New York City*	458 Chapel st.
Ernest Buckingham Kimberly	*New Haven*	90 Portsea st.
Newell Clark Knight	*St. Louis, Mo.*	68 W.

Yung Kwai	*Kwongtung, China*	254 York st.
Alexander Lambert	*New York City*	4 Library st.
Thomas Garner Lawrance	*New York City*	464 Chapel st.
Edward Ashton Lawrence	*Chicago, Ill.*	60 S. M.
Beirne Lay	*Easton, Md.*	186 C.
James Otis Lincoln	*Bath, Me.*	53 S. M.
Ernest St. George Lough	*Brooklyn, N. Y.*	47 S. M.
Robert Hunt Lyman	*Holyoke, Mass.*	191 C.
George John McAndrew	*Forestville, N. Y.*	68 N. M.
John Osborn McCalmont	*Franklin, Pa.*	46 S. M.
Samuel Plumer McCalmont, Jr.	*Franklin, Pa.*	72 N. M.
Edwin McClellan	*Cambridge, N. Y.*	55 S. M.
Henry McCormick, Jr.	*Harrisburg, Pa.*	88 W.
Henry Clay McDowell, Jr.	*Woodlake, Ky.*	62 S. M.
William Charles McMillan	*Detroit, Mich.*	464 Chapel st.
George Hudson Makuen	*Goshen, N. Y.*	186 C.
William Lane Marston	*Chicago, Ill.*	60 S. M.
Isaac Henry Mayer	*Chicago, Ill.*	242 York st.
Charles Abernethy Mead	*Darien*	194 C.
Edwin Albert Merritt	*Potsdam, N. Y.*	182 L.
John Andrew Myers	*Columbia, Pa.*	458 Chapel st.
Alexander Newton	*Crystal Springs, Miss.*	215 Crown st.
William Ebenezer Nichols	*East Haddam*	64 S. M.
William Theophilus Nichols	*Cincinnati, O.*	498 Chapel st.
James William Oakford	*Scranton, Pa.*	57 S. M.
George Wakeman Osborn	*Easton*	56 S. M.
Harry McMahon Painter	*West Haven*	40 S. M.
Charles Laban Pardee	*New Haven*	65 Olive st.
George Washington Patterson, Jr.	*Westfield, N. Y.*	194 C.
Charles Nichols Peck	*Hempstead, N. Y.*	101 W.
Vincent Charles Peck	*Trumbull*	105 Dwight st.
Benjamin Horn Pendleton	*Stonington*	525 Chapel st.
James Hosmer Penniman	*Philadelphia, Pa.*	238 York st.
Jacob Perkins	*Warren, O.*	99 N.
Charles Pierpont Phelps	*Burlington, Vt.*	203 York st.
Clarence Nathaniel Platt	*New Haven*	44 Lyon st.
George Lockwood Plummer	*Norwich*	238 York st.
Edward Learned Pollock	*Pittsfield, Mass.*	203 D.
Edwin Lewis Porter	*New Cumberland, W. Va.*	101 W.
Edward Wright Potter	*Essex*	42 S. M.
Albert Henry Pratt	*Brooklyn, N. Y.*	192 York st.
Nelson George Pringle	*Kingston, Pa.*	60 W.
Harry Woodruff Prouty	*Concord, O.*	192 York st.
James Bronson Reynolds	*North Haven*	124 W.
Clinton Ross	*Binghamton, N. Y.*	57 W.
Henry Jacob Ryder	*New Haven*	70 Hallock st.
Harry Gilbert Samson	*Richmond, Ind.*	458 Chapel st.
Edward Isaac Sanford, Jr.	*New Haven*	39 S. M.

William Henry Sanford	*Newtown*	498 Chapel st.
Ward Webster Savery	*Marion, Mass.*	191 C.
Benjamin Scharps	*Newburgh, N. Y.*	242 York st.
James Foster Scott	*West Philadelphia, Pa.*	190 C.
Charles Scott Seeley	*Fairfield*	56 S. M.
Henry Tweedy Shelton, Jr.	*Bridgeport*	39 S. M.
Oliver Taylor Sherwood	*Southport*	40 S. M.
John Ira Souther	*Worcester, Mass.*	15 Home pl.
William McMurtrie Speer	*Huntingdon, Pa.*	64 S. M.
Selden Palmer Spencer	*Erie, Pa.*	124 W.
Sydney Stein	*Chicago, Ill.*	25 High st.
John Henry Stevenson, Jr.	*Brooklyn, N. Y.*	498 Chapel st.
Frank Strong	*Auburn, N. Y.*	180 L.
William Lord Strong	*Pittston, Pa.*	61 S. M.
John Trumbull Swift	*Colchester*	54 S. M.
William Ambrose Taylor	*Brooklyn, N. Y.*	450 Chapel st.
Joseph Tomlinson, Jr.	*Shelton*	190 C.
Ray Tompkins	*Elmira, N. Y.*	65 W.
Frank Dean Trowbridge	*New Haven*	221 Church st.
Joseph Nathaniel Tuttle	*Madison, N. J.*	65 N. M.
Henry Bancroft Twombly	*Boston, Mass.*	4 Library st.
George Urquhart, Jr.	*Wilkes Barre, Pa.*	187 C.
Harry Raup Wagner	*Philadelphia, Pa.*	116 W.
Albert Clark Waite	*New York City*	464 Chapel st.
Charles Morehead Walker	*Chicago, Ill.*	169 F.
Dean Augustus Walker	*Auburndale, Mass.*	38 S. M.
Charles Ansel Watrous	*New Haven*	63 Whitney av.
Albert Foote Wells	*New Haven*	26 Woolsey st.
Arthur Brattle Wells	*Chicago, Ill.*	42 S. M.
Edward Wells, Jr.	*Peekskill, N. Y.*	109 Elm st.
Henry Lincoln Whittlesey	*Old Saybrook*	53 S. M.
Daniel Hand Wilcox, Jr.	*New Haven*	99 N
Amos Parker Wilder	*Augusta, Me.*	38 S. M
Nathan Gallup Williams, Jr.	*Detroit, Mich.*	464 Chapel st.
Herbert Walter Wolcott	*Cleveland, O.*	67 N. M.
Henry Milton Wolf	*Chicago, Ill.*	25 High st.
Joseph Wood	*Sayville, N. Y.*	167 F.
Edward Augustus Wright	*Cromwell*	88 Grove st.

SOPHOMORES, 164

FRESHMAN CLASS

Ernest Rufus Adee	*Westchester, N. Y.*	155 Elm st.
Clifford Butler Allen	*St. Louis, Mo.*	237 Orange st.
Henry Burrall Anderson	*New York City*	99 Wall st.
John Hulett Arnot	*Elmira, N. Y.*	
Lucius Olmsted Baird	*Chicago, Ill.*	72 High st.
Henry deForest Baldwin	*New York City*	38 High st.
Irving Baldwin	*Cleveland, O.*	142 Crown st.
Walter Sterrett Baldwin	*Chicago, Ill.*	29 High st.
Frederic Barnard	*Poughkeepsie, N. Y.*	65 Grove st.
Jonathan Barnes	*Springfield, Mass.*	242 York st.
Ebenezer Don Carlos Bassett, Jr.	*New Haven*	193 Temple st.
Henry Worthington Beckwith	*Chicago, Ill.*	114 College st.
Lewis Sherrill Bigelow	*St. Paul, Minn.*	82 Wall st.
Joseph Augustus Blake	*New Haven*	119 W.
Herbert James Boggis	*Cleveland, O.*	80 N. M.
John Henry Booth	*Vergennes, Vt.*	146 College st.
Robert Seymour Bradley	*New Haven*	142 Orange st.
Frank Bosworth Brandegee	*New London*	489 Chapel st.
John Cloyse Bridgman	*Cleveland, O.*	110 N.
John Horatio Briggs	*Auburn, Me.*	1 S.
Oliver Percy Bright	*Wilmington, Del.*	525 Chapel st.
Ellis Henry Roberts Brooks	*New York City*	166 York st.
Henry Stanford Brooks, Jr.	*San Francisco, Cal.*	167 Temple st.
John Laidlaw Buel	*Litchfield*	125 N.
Lewin Frank Buell	*Madison*	29 High st.
David Hanson Buffum, Jr.	*Great Falls, N. H.*	82 Wall st.
Samuel Davis Capen	*St. Louis, Mo.*	237 Orange st.
Charles Lyman Carhart	*Peekskill, N. Y.*	109 Elm st.
William Merle Carhart	*Peekskill, N. Y.*	109 Elm st.
William Scoville Case	*Granby*	110 N.
Wilson Catherwood	*Philadelphia, Pa.*	87 W.
Edward Herrick Chandler	*Auburndale, Mass.*	109 N.
Harry Goodnow Chase	*Lake View, Ill.*	41 High st.
Clinton Milo Chidsey	*Collinsville*	458 Chapel st.
Sidney Morse Colgate	*Orange, N. J.*	252 York st.
Richard Collins Colt	*New York City*	72 High st.
Austin Corning	*Rye, N. Y.*	252 York st.
Augustin Averill Crane	*New Haven*	213 Orange st.
Dixi Lyman Crosby	*Milford, N. H.*	31 Prospect st.
Wilbur Lucius Cross	*Gurleyville*	104 Wall st.
Charles Elbridge Cushing	*Bath, Me.*	46 Elm st.
Colman Ward Cutler	*New London*	127 Crown st.
Frederick Bigelow Deming	*Cleveland, O.*	523 Chapel st.
William M. Derby	*Chicago, Ill.*	192 York st.

George Stuart Dickinson	*Worcester, Mass.*	15 Home pl.
Charles Stuart Dodge	*New York City*	72 W.
Herbert Lionel Doggett	*Kansas City, Mo.*	114 College st.
Daniel Meta Dull	*Harrisburgh, Pa.*	114 High st.
Wilfred Ernest Eaton	*Orange, N. J.*	74 High st.
Justin Edwards	*Wellesley, Mass.*	109 N.
Richard Ellis	*Peekskill, N. Y.*	31 Prospect st.
Albert Heman Ely	*Elyria, O.*	464 Chapel st.
William David Evans	*Rockville*	79 N. M.
John Dennis Ferris	*Chatham, N. J.*	93 N. M.
William Forbes Fisher	*New Haven*	27 Hillhouse av.
Henry Richmond Flanders	*West Tisbury, Mass.*	128 N.
John Couch Flanders	*Portland, Oregon*	111 N.
Lambert Foster	*Plainfield, N. J.*	44 High st.
Frederic Wilson Francis	*Newington*	31 Prospect st.
Walter Francis Frear	*Honolulu, H. I.*	189 George st.
Henry Fresenius	*New Haven*	488 Congress av.
Albert Frey	*Newark, N. J.*	44 Elm st.
Harlow Stearns Gale	*Minneapolis, Minn.*	112 N.
John William Gavin	*New Haven*	90 Orchard st.
Frank Forrest Giltner	*Portland, Oregon*	199 Crown st.
Lafayette Blanchard Gleason	*Delhi, N. Y.*	531 Chapel st.
Kenyon Gorham	*New York City*	158 York st.
Herbert Ridgway Green	*Reading, Pa.*	117 York st.
William Gregory Green	*New Milford*	78 N. M.
Marcellus Hawthorne Poe Hagans	*Cincinnati, O.*	31 Prospect st.
James Hall	*Highland Mills, N. Y.*	42 Spring st.
Charles Edward Harris, Jr.	*New Haven*	149 St. John st.
Henry Knabb Harrison	*Birdsboro, Pa.*	44 York sq.
Charles Abbott Harvey	*Chicago, Ill.*	252 York st.
Walter Augustus Hawley	*San Francisco, Cal.*	159 Temple st.
Benjamin Kaye Heaton	*Philadelphia, Pa.*	94 N. M.
Edward Avery Hine	*Newark, N. J.*	109 College st.
Charles Buxton Hobbs	*Brooklyn, N. Y.*	169 Temple st.
Stanton Benette Hume	*St. Louis, Mo.*	104 Grove st.
Ernest Howard Hunter	*Chicago, Ill.*	254 York st.
Henry Fairchild James	*Ogdensburg, N. Y.*	74 High st.
James Richard Joy	*Groton, Mass.*	126 N.
James Benjamin Keogh	*Chicago, Ill.*	192 York st.
Hervey DeLoss Leland	*Utica, N. Y.*	200 George st.
William Leland	*Cleveland, O.*	84 Wall st.
Walter Hale Little	*Newbury, Mass.*	146 College st.
John Loman	*Philadelphia, Pa.*	93 N. M.
Robert Samuel McCreery	*New York City*	238 York st.
John McHenry	*Baltimore, Md.*	84 Wall st.
Guy Ward Mallon	*Cincinnati, O.*	158 York st.
Heaton Manice	*New York City*	674 Chapel st.
Louis Austin Mansfield	*New Haven*	17 Lyon st.

Charles Thompson Mathews	*New York City*	71 W.
William Maxwell	*Rockville*	219 York st.
James Alfred Merrill	*Rutland, Vt.*	82 Wall st.
Charles Louther Moore	*Georgetown, Del.*	65 Grove st.
William Procter Morrison	*Cincinnati, O.*	498 Chapel st.
David Winfield Mulvane	*Topeka, Kansas*	192 York st.
William Lindsly Mussey	*Cincinnati, O.*	81 Wall st.
Charles Dwight Napier	*Brooklyn, N. Y.*	127 Crown st.
Eben Carver Norton	*Vinal Haven, Me.*	95 N. M.
Atherton Noyes	*Wilmington, Mass.*	127 N.
Manly Dayton Ormes	*Tuscola, Mich.*	41 High st.
John Stone Pardee	*New Haven*	119 College st.
John Palmer Parsons	*Rye, N. Y.*	252 York st.
Lyman Plimpton Peet	*West Haven*	94 N. M.
William Fellows Peet	*Philadelphia, Pa.*	6 High st.
Edward Bunnell Phelps	*New Haven*	10 Washington st.
Robert James Pitkin	*Denver, Col.*	109 Elm st.
John Winthrop Platner	*Newark, N. J.*	116 N.
David Plessner	*Holden, Mo.*	33 Prospect st.
Oramel Whittlesey Pratt	*Norwich*	77 N. M.
Eugene Lamb Richards, Jr.	*New Haven*	135 College st.
Edwin Wales Robertson	*Columbia, S. C.*	109 College st.
Lucius Franklin Robinson	*Hartford*	76 High st.
Harry Leighton Rollins	*Wellesley, Mass.*	59 Wall st.
George Augustus Sanderson	*Littleton, Mass.*	126 N.
Robert Alfred Sands	*New York City*	59 W.
Emil Adolfe Schultze, Jr.	*Hoboken, N. J.*	127 Crown st.
Louis Hoard Seymour	*Ogdensburg, N. Y.*	74 High st.
Conrad Shamel Sheive, Jr.	*Norristown, Pa.*	134 College st.
Frank Robinson Shipman	*Hartford*	76 High st.
Frank Clifton Smith	*Gurleyville*	104 Wall st.
Joseph Cornelius Smith	*Hawleyville*	143 Wooster st.
Thomas Smull	*Port Washington, N. Y.*	65 Grove st.
Frank Asher Southworth	*Philadelphia, Pa.*	35 Howe st.
Henry Taylor Staats, Jr.	*Bristol*	80 N. M.
George Fitch Stacy	*Stacyville, Iowa*	77 N. M.
Carrington Riverius Stiles	*East Bloomfield, N. Y.*	17 Wooster sq.
Richard Salter Storrs	*New York City*	127 Crown st.
Otis Strong	*Auburn, N. Y.*	180 L.
Wyllys Terry	*Brooklyn, N. Y.*	87 N. M.
Arthur Cecil Thomson	*New Haven*	103 W.
Arthur Lloyd Tomes	*New York City*	126 High st.
William Thomas Tomlinson	*Georgetown, Del.*	55 W.
Joseph Hendley Townsend	*New Haven*	45 Martin st.
Charles Allen Tuttle	*New Haven*	122 College st.
Frank VanAllen	*Ravenswood, Ill.*	111 N.
Francis Joseph Vernon	*Brooklyn, N. Y.*	78 N. M.
George Edgar Vincent	*New Haven*	44 High st.

Wilmer Earl Walker	*Chicago, Ill.*	65 Grove st.
Charles Lewis Way	*Hartford*	76 High st.
Paul Irving Welles	*Fayetteville, N. Y.*	128 N.
Theodore Winthrop Weston	*New York City*	27 Prospect st.
William Taylor Glidden Weymouth	*Beaufort, S. C.*	44 Elm st.
Herbert Henry White	*New Haven*	147 Humphrey st.
Levi Olmstead Wiggins	*Newburgh, N. Y.*	525 Chapel st.
Charles Samuel Wiley	*Charleston, Ill.*	126 High st.
Robert Bradford Williams	*Augusta, Ga.*	510 Orchard st.
Wolff Willner	*New Haven*	39 Bradley st.
George Heber Woodhull	*Baiting Hollow, N. Y.*	127 N.
George Catlin Woodruff, Jr.	*Litchfield*	125 N.
Wilfred James Worcester	*Albany, N. Y.*	192 York st.

FRESHMEN, 153.

SHEFFIELD SCIENTIFIC SCHOOL

GOVERNING BOARD

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CHARLES HILDEBRAND, D.E.
SAMUEL L. PENFIELD, PH.B.
MARCUS D. MUNN, PH.B.

GRADUATE STUDENTS

Ethan Allen Andrews, PH.B.	*Tarrytown, N. Y.*	N. S. H.
Edward Bailey, PH.B.	*Harrisburg, Pa.*	489 Chapel st.
John Slade Ely, PH.B.	*New York City*	57 N. S. H.
Charles Hildebrand, D.E.	*New Haven*	34 Chestnut st.
Alfred Edwards Hooker, B.A.	*New Haven*	62 Prospect st.
Joseph Frederick Klein, D.E.	*New Haven*	14 Whalley av.
Samuel Waldron Lambert, B.A.	*New York City*	90 High st.
Sarkis Levonian, Central Turkey College	*Aintab, Turkey*	72 High st.
George Sigmund Linde, B.A.	*New Haven*	133 Congress av.
Edwin Linton, M.A. Washington and Jefferson College, Pa.	*Washington, Pa.*	49 Grove st.
Marcus Daty Munn, PH.B.	*Southington*	55 N. S. H.
Harold Bayless Nye, B.A. Marietta College	*Marietta, O.*	91 W.
Samuel Lucius Penfield, B.A.	*Catskill, N. Y.*	14 S. H.
Frank Charles Warner, PH.B.	*West Suffield*	305 Orange st.
Frank Hyde Waters, B.S. Eminence College, Ky.	*Garrettsville, O.*	21 Home pl.
Robert William Watson, PH.B.	*Ashtabula, O.*	498 Chapel st.
Arthur Burnham Woodford, PH.B.	*West Winsted*	16 S. H.
George Woolsey, B.A.	*New Haven*	250 Church st.

GRADUATES, 18

NOTE.—These names have been already given in the list of Graduate Students on page 22.

SENIOR CLASS

Horace Ellsworth Andrews	*Cleveland, O.*	43 College st.
Alfred Warner Armstrong	*Cleveland, O.*	43 College st.
Charles Noyes Batcheller	*Wallingford, Vt.*	114 High st.
Henry Jonathan Biddle	*Philadelphia, Pa.*	36 Elm st.
Francis Hayes Blake	*New Haven*	119 w.
Nathan Gross Bozeman	*New York City*	31 Temple st.
Frederick Casper	*West Meriden*	215 York st.
William Anson Chamberlin	*New Haven*	30 Trumbull st.
William Henry Crocker	*San Francisco, Cal.*	36 Elm st.
James John Drummond	*Winfield, Ill.*	114 High st.
Richard Lawrence Everit	*New Haven*	281 Whitney av.
Herbert Waldron Faulkner	*Stamford*	23 Prospect st.
William Alanson Hall	*Morris*	106 Wooster st.
Alexander Bryan Johnson	*Utica, N. Y.*	62 w.
Frederick William La Forge	*Waterbury*	167 Temple st
Frank Judson Lambert	*New Haven*	12 Eld st.
Norman Smith Latham	*North Manchester*	120 Dwight st.
Cassius Samuel Lyman	*Holyoke, Mass.*	67 Mansfield st.
Sheldon Elton Minor	*Thomaston*	167 Temple st.
Edward E. Paramore	*St. Louis, Mo.*	36 Elm st.
Louis Valentine Pirsson	*New York City*	121 Park st.
Harry Smith Pope	*Jersey City, N. J.*	61 w.
Robert Browning Rood	*Great Barrington, Mass.*	167 Temple st.
Charles Edward Stockder, Jr.	*West Meriden*	167 Temple st.
Fred Moore Strong	*Boston, Mass.*	36 Elm st.
Henry Taber	*New York City*	33 Prospect st.
Arthur Graham Thompson	*Milford*	43 College st.
Edwin Thorne	*New York City*	62 w.
Thomas Pearsall Thorne	*Millbrook, N. Y.*	71 w.
Walter Joy Vought	*Buffalo, N. Y.*	85 w.
Edward Loder Whittemore	*Rye, N. Y.*	76 w.
Alfred Buckingham Willcox	*Chicago, Ill.*	76 w.
Chauncey Pratt Williams, Jr.	*Albany, N. Y.*	36 Elm st.
S. Lawrence Williams	*Chicago, Ill.*	36 Elm st.

SENIORS, 34

JUNIOR CLASS

Paul Whitin Abbott	*New Haven*	257 Church st.
John Alpheus Allen	*New Haven*	189 Temple st.
Benjamin Safford Barrows	*Hartford*	163 Temple st.
George Andrew Barrows	*Philadelphia, Pa.*	43 College st.
John Bartholomew	*Guilford*	17 Wooster pl.
Frederic Robinson Bartlett	*Freeport, Ill.*	36 Elm st.
Frederick Elijah Beach	*New Haven*	33 Lyon st.
Henry Whitney Berryman	*New York City*	464 Chapel st.
Isaac Judson Boothe	*Birmingham*	143 York st.
Charles Allan Bowles	*Springfield, Mass.*	167 Temple st.
Frederick Truman Bradley	*New Haven*	142 Orange st.
Charles Parker Breese	*Meriden*	458 Chapel st.
Charles Sumner Brown	*East Hampton*	114 High st.
Charles Milo Carpenter	*Madison, Wisc.*	36 Elm st.
Horace Raymond Carpenter	*Afton, N. Y.*	60 w.
Samuel Myron Chase	*Chicago, Ill.*	184 York st.
John Lindley Coates	*Kansas City, Mo.*	66 w.
Harry Nelson Covell	*Stamford*	31 Temple st.
Wayne Darlington	*West Chester, Pa.*	136 College st.
Edward Bradford Dench	*Bridgeport*	67 Mansfield st.
Henry Kelsey Devereux	*Cleveland, O.*	43 College st.
Robert Ogden DuBois	*New Haven*	328 Howard av.
Edward Peers Eastwick, Jr.	*New York City*	36 Elm st.
Horatio Southworth Frazer	*Holyoke, Mass.*	77 w.
Charles Lockwood Gold	*West Cornwall*	49 Grove st.
Charles Stewart Hall	*Warren, O.*	36 Elm st.
George Vance Harper	*Denver, Col.*	41 Trumbull st.
William Harper	*Shippensburg, Pa.*	136 College st.
Allen Hubbard	*Westfield, Mass.*	114 High st.
Henry Clay Johnson	*Rome, Ga.*	41 High st.
John Elmer Lockwood	*Stamford*	146 Dixwell av.
William Ellison Lockwood	*Stamford*	146 Dixwell av.
James Lyman	*Middlefield*	107 w.
John Lyman	*Middlefield*	107 w.
John Henry Mann	*Utica, N. Y.*	43 College st.
Donald Grant Mitchell, Jr.	*Edgewood*	134 College st.
John Edmund Newell	*Chicago, Ill.*	73 w.
Henry Curtis Nutt, Jr.	*Boston, Mass.*	36 Elm st.
George Shipman Payson	*Chicago, Ill.*	109 Wall st.
Edward Wells Penfield	*Chicago, Ill.*	109 Wall st.
James Edward Pope, Jr.	*Jersey City, N. J.*	61 w.
David Murdoch Pratt	*Elmira, N. Y.*	36 Elm st.
Willie Sherman Randall	*Birmingham*	72 High st.
Albert William Robert	*New York City*	36 Elm st.
Joseph Warren Rogers, Jr.	*Scarborough, N. Y.*	203 York st.

Frederick Baylies Samson	*Richmond, Ind.*	458 Chapel st.
Charles Lansing Sayre	*Utica, N. Y.*	43 College st.
Horace Lee Simpson	*Pensacola, Fla.*	114 High st.
Ebenezer Hubbard Skinner	*Escambia, Fla.*	114 High st.
Joseph Allen Skinner	*Holyoke, Mass.*	106 Wall st.
Edward Irving Stone	*Bethlehem*	72 High st.
John Edwards Stryker	*Catskill, N. Y.*	77 w.
Alonzo Felton Wood, Jr.	*West Haven*	77 George st.
Alexander Wurts	*New Haven*	65 Whitney av.
Robert Hawthorne Wylie	*Chester, S. C.*	136 College st.

JUNIORS, 55

FRESHMAN CLASS

Gustavo Alfonso	*New York City*	36 Elm st.
Elwood Harvey Allcutt	*Kansas City, Mo.*	66 w.
Charles Law Allen	*New Haven*	38 Eld st.
Richard Mayes Anderson	*Mayfield, Ky.*	347 York st.
John Ogden Armour	*Chicago, Ill.*	200 York st.
Frank Allen Benedict	*Bethel*	494 Chapel st.
Lawrence Vincent Benét	*Washington, D. C.*	74 High st.
Edward Blake	*New Haven*	149 Temple st.
Charles Francis Bosworth	*Milford*	285 York st.
Clarence Russell Britton	*Cleveland, O.*	128 High st.
Chauncey Rea Burr	*Portland, Me.*	420 Chapel st.
Albert Park Campbell	*New Haven*	16 York sq.
Herbert DeWitt Carrington	*New Haven*	527 Chapel st.
Harold Austin Chambers	*New York City*	94 Grove st.
William Brainard Coit	*New London*	44 Elm st.
Clifford Lawrence Colton	*Canton*	347 York st.
Louis Edward Cooper	*Ansonia*	25 Prospect st.
Samuel Joseph Cornell	*New York City*	489 Chapel st.
George Wyckoff Cummins	*Vienna, N. Y.*	347 York st.
Walter Rowling Dann	*New Haven*	280 Ferry st.
Benjamin Wales Dodge	*Middlebury, Vt.*	221 Elm st.
Edward Bailey Downing	*Wilmington, Del.*	44 Elm st.
Charles Percival Farquhar	*York, Pa.*	27 Prospect st.
James Arthur Fawcett	*Cleveland, O.*	128 High st.
Arthur Bixby Ferguson	*New Haven*	539 Howard av.
Davenport Galbraith	*Erie, Pa.*	489 Chapel st.
John Chidsey Grout	*Detroit, Mich.*	161 Temple st.
Morgan Augustus Guinnip	*Elmira, N. Y.*	494 Chapel st.
Pelham Hague	*Tidioute, Pa.*	31 Trumbull st.
Calvin Linsley Harrison	*New Haven*	139 Greene st.
Samuel Brown Hawley	*Yonkers, N. Y.*	139 Chapel st.
James H. Hepburn	*Jersey Shore, Pa.*	74 High st.
Edwin Musser Herr	*Denver, Col.*	289 York st.

Charles Henry Hopper	*Cleveland, O.*	128 High st.
James Henry Jennings	*Redding*	215 York st.
Thomas Crossley Johnson	*New Haven*	31 Vernon st.
Edson Keith, Jr.	*Chicago, Ill.*	200 York st.
Duane Judson Kelsey	*Killingworth*	29 High st.
Henry Hall Keyes	*Stony Creek*	25 Prospect st.
Charles Merriam Kirkham	*Springfield, Mass.*	94 Grove st.
Albert Lucas	*Philadelphia, Pa.*	161 York st.
William Heath Lyon, Jr.	*Brooklyn, N. Y.*	169 Temple st.
James Minor Maghee	*Orange, N. J.*	33 Prospect st.
Frederick Lincoln Markham	*Tyler City*	25 Prospect st.
Luther James Martin	*New Haven*	221 Elm st.
Seyton Howard Martin	*Clifton, N. Y.*	74 High st.
George Smith Hunt McDowell	*Portland, Me.*	489 Chapel st.
Frank Harbottle McIntosh	*Peterboro, N. H.*	134 College st.
Henry Moorhead Montgomery	*Portland, Oregon*	74 High st.
George Edgar Moulthrop	*New Haven*	253 North Front st.
William Wallace Nichols	*Manitou Springs, Col.*	289 York st.
Albert Anderson Noye	*Buffalo, N. Y.*	494 Chapel st.
Herbert Lincoln Noyes	*New Haven*	74 High st.
Edson May Peck	*Bristol*	14 Lock st.
Willis LaFayette Perkins	*Portland, Me.*	489 Chapel st.
John Thompson Perry	*Brunswick, Me.*	44 Elm st.
Elbridge Worthington Pierce	*Brookfield Centre*	106 Crown st.
Louis Morgan Porter	*Philadelphia, Pa.*	44 Elm st.
Joseph Powell, Jr.	*Towanda, Pa.*	161 Temple st.
George Simon Roberts	*New York City*	64 w.
Walter Allen Sadd	*South Windsor*	177 Temple st.
William Godfrey Sage	*Chicago, Ill.*	175 Temple st.
Russell Sargent	*New Haven*	51 Elm st.
William Tuttle Shepard	*Bristol*	14 Lock st.
Charles Allen Stone	*Springfield, Mass.*	523 Chapel st.
Chester Thorne	*Millbrook, N. Y.*	65 Whitney av.
Thomas Rutherford Trowbridge, 3d	*New Haven*	41 College st.
James Henry Warner	*Steubenville, O.*	Prospect st.
Elmore Abram Willets	*Belmont, N. Y.*	44 Elm st.
Edward Simpson Wilson	*New York City*	134 College st.
Andrew Lincoln Winton	*Bridgeport*	92 Grove st.
James Prior Wood	*West Haven*	77 George st.
William Mason Wright	*Newark, N. J.*	31 Temple st.

FRESHMEN, 73

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Henry Furst, Jr.	*Chicago, Ill.*	55 Trumbull st.
Edward Seymour Hotchkiss	*Bridgeport*	67 Mansfield st.
William Lincoln Kerber	*Chicago, Ill.*	55 Trumbull st.
Frederick Knowlton Mixer	*Buffalo, N. Y.*	158 Swan st.
Warren A. Spalding	*New Haven*	89 Church st.

SPECIAL STUDENTS, 5

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT

JOHN F. WEIR, N.A., M.A., DIRECTOR

REV. JAMES M. HOPPIN, D.D.

JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*

JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*

HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*

FREDERIC T. LANGZETTEL, *Librarian*

STUDENTS

Granville F. Allen	*New Haven*
Maud A. Allen	*New Haven*
Susan M. Alling	*Birmingham*
Emma H. Bacon	*Meriden*
Emma C. Banks	*New Haven*
Mary O. Banks	*New Haven*
Bella J. Barbour	*New Haven*
George F. Bosworth	*Milford*
Mary T. Bradner	*New Haven*
John J. Brennan	*New Haven*
Fanny C. Burr	*Monroe*
Julia I. Coe	*New Haven*
Sarah J. Deshon	*Meriden*
Caroline M. Dunbar	*Stratford*
Mary M. Elliot	*New Haven*
Susan S. Farnam	*New Haven*
Sarah D. Gardener	*New Haven*
Margaret P. Gay	*Farmington*
Frances L. Goodrich	*New Haven*
Jessia C. Harger	*New Haven*
Eliza J. Harrison	*New Haven*
Mary E. Hobson	*Wallingford*
Maud S. Ingersoll	*New Haven*
Antoinette Ives	*Montreal, Canada*
Annie S. Johnson	*New Haven*
William H. Jackson	*New Haven*

William H. Jewett	*New Haven*
Elizabeth U. Kingsley	*New Haven*
Frederic T. Langzettel	*New Haven*
Caroline Lindsley	*New Haven*
Charles R. Loomis	*Hartford*
Henry E. Manning	*New Haven*
Rebecca M. Mitchell	*New Haven*
Jane Newton	*New Haven*
Helen Oakford	*New Haven*
Katherine B. Park	*New Haven*
Elizabeth S. Pitman	*Wallingford*
Mary R. Prescott	*New Haven*
Alice A. Sanford	*Redding*
Jennie Satterlee	*Pontiac, Mich.*
Walter Sexton	*New Haven*
Eleanor Silliman	*New Haven*
Fannie E. Skinner	*New Haven*
Albert E. Smith	*Waterbury*
Matilda B. Stoeckel	*New Haven*
Florence M. Trowbridge	*New Haven*
Ethel C. Walker	*New Haven*
D. Irene Weir	*Springfield, Mass.*
Charles O. Whitmore	*Farmington*
William R. Whitmore	*Farmington*

SUMMARY

Students in Regular Attendance,	50
Students in Drawing from the Sheffield Scientific School,	73

Note.—The Art Optional, for members of the Senior class of the Academical Department, does not begin until after the winter vacation, consequently the number of students in that class is undetermined.

SUMMARY OF STUDENTS

Department of Theology - - - -		97
Department of Medicine - - - -		21
Department of Law - - - - -		68
Department of Philosophy and the Arts:		
Graduate Instruction - - -	44	
Undergraduate Academical Department	601	
Sheffield Scientific School -	185	
School of the Fine Arts - -	50	
		880
		1066
Deduct for names inserted twice -		24
Total - - - - -		1042

GENERAL STATEMENT

The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will

in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER: Politics and Finance in the History of the United States; Political Economy.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris*; German text-books of Roman Law.

3. Philological Science; Literature:

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Archæology.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD and Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. Mathematics:

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. Physics; Chemistry; Astronomy:

Professor LOOMIS: Meteorology, with especial reference to the laws o storms.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor O. D. ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Dr. WALDO: the Theory and Practice of Micrometry; Practical Thermometry.

6. Geology; Natural History:

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. Applied Science:

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor O. D. ALLEN: Metallurgy; Assaying.

Professor DUBOIS: Dynamical Engineering.

8. Fine Arts:

For the instruction open to Graduates in the School of the Fine Arts, see page 74.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study, may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.
Cæsar—four books of the Gallic war, or Sallust's Jugurthine war.
Cicero—seven Orations.
Vergil—Bucolics, and first six books of the Æneid, including Prosody.
Ovid—Metamorphoses, 2500 lines.
The translation, at sight, of passages from Cicero or Cæsar.
The translation into Latin of a connected passage of English Prose. [As special importance will be given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]
Roman History—Creighton's Primer of Roman History is suggested, as indicating the amount required.

Greek Grammar.
The translation of English into Greek.
Xenophon—Anabasis, four books.
Homer—Iliad, three books, with Prosody.
The translation, at sight, of a passage from some work of Xenophon.
Greek History.
The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. William Smith's or Fyffe's text book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

Higher Arithmetic—including the metric system of weights and measures.
Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.
Euclid—first two books, or the whole of Plane Geometry in any other text-book. The candidate must be prepared to draw the figures for the demonstration of propositions.

Candidates will be allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examination of the first year, for examination in not more than ten (in which number the translation at sight of Latin and Greek must not be included) of the above subjects, and must be accepted on at least seven in order to receive any certificate.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on the Thursday, Friday, and Saturday following Commencement (June 29, 30, July 1, 1882); *attendance is required at the opening of the examination, at* 9 A. M. *on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1882 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 30, at 9 A. M.), at places to be announced in the local newspapers of the day previous. Candidates who propose to be present are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to these examinations.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 12, 13, 1882); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, examinations for admission to the next Freshman Class can only be held at the times above specified.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not,* are examined in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 49.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS — Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismission in good standing.

BOND—Every person mus tgive to the Treasurer, on being admitted, a bond, executed by the parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms. The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's Odyssey, begun. *Latin* — Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics* — Loomis's Algebra; Todhunter's Euclid, first four books; Chauvenet's Geometry. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's Odyssey, continued through five books; Herodotus, one book; Boise's Exercises in Greek Syntax (to page 85). *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry; Richards's Plane Trigonometry, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenese. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics* — Richards's Plane Trigonometry, Mensuration, Surveying, and Navigation. *Rhetoric*—Lectures on Composition. Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics* — Richards's Spherical Trigonometry; Loomis's Analytical Geometry; Dana's Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies *(Latin, Greek, Mathematics, French, Spanish, Italian, English)* see below.

SECOND TERM.—*Natural Philosophy*—Ganot's Physics. Lectures. *Rhetoric.*—Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Astronomy*—Loomis's Astronomy. *Logic*—Jevons's Logic.

For optional studies *(Latin, Greek, Mathematics, French, Spanish, Italian, English, Anglo-Saxon, Zoology, Botany)* see below.

SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Moral Philosophy*—Butler's Sermons; Hopkins' Law of Love. *Geology*—Dana's Geology. *Political Science*—Mill's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies *(Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Meteorology, Mineralogy, European History)* see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Mental Philosophy*—Porter's Intellect, continued. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *Elements of Law, Roman Civil Law, Constitution and Common Law of England, and American Constitutional Law*—Recitations and Lectures.

For optional studies *(Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Astronomy, Geology, American Law, American History, Political Science, Fine Arts)* see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In case an optional is withdrawn before the end of a year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. Any student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY:

1. ANCIENT LANGUAGES: (*a*) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard. (*b*) LATIN, through Junior and Senior years, with Professors Thacher and Peck, four exercises a week. (*c*) LATIN and GREEK, two exercises a week in each, through Junior and

Senior years, with Professors Thacher, Packard and Peck. (*d*) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (*a*) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition, authors of the XIXth century; in Senior year, French Composition and Literature, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Keetels' Elementary French Grammar, entire. (*b*) SPANISH, through Junior and Senior years, four exercises a week, with Professor Knapp; Grammar and Exercises, with special reference to commercial correspondence and conversation, together with prose readings in living authors, and subsequently readings in Cervantes, Lope de Vega, and Calderon. (*c*) ITALIAN, through Junior and Senior years, with Mr. Speranza, four exercises a week; a special fee, $30 a year, will be charged. (*d*) GERMAN, through the Senior year, four exercises a week, with Mr. Hadley; Schiller's Wilhelm Tell, Goethe's Faust, scientific and controversial German of the present day. (*e*) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's Anglo-Saxon Reader. (*f*) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspere, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS: Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II. MENTAL AND MORAL PHILOSOPHY:

With President Porter and Professor Ladd, through the second term of Senior year, two exercises a week.

III. HISTORY AND POLITICAL SCIENCE:

1. EUROPEAN HISTORY, through the first term of Senior year, with Professor Wheeler, four exercises a week, and during the remainder of the year two exercises a week; Fyffe's History of Modern Europe.

2. AMERICAN HISTORY, through the second term of Senior year, with Professor Dexter, two exercises a week; Lodge's History of the English Colonies; von Holst's Constitutional History of the United States.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV. MATHEMATICS AND ASTRONOMY:

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Loomis's Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the second term of Senior year, two exercises a week, with Professor Loomis; Loomis's Practical Astronomy.

V. MOLECULAR AND TERRESTRIAL PHYSICS:

1. PHYSICS, through the second term of Senior year, two exercises a week, with Professor A. W. Wright.

2. METEOROLOGY, through the first term of Senior year, with Professor Loomis, four exercises a week; Loomis's Meteorology.

3. VECTOR ANALYSIS, with applications to Mechanics and Physics, through the first term of Senior year, four exercises a week, with Professor Gibbs.

4. THERMODYNAMICS, through the second term of Senior year, two exercises a week, with Professor Gibbs.

VI. NATURAL SCIENCE AND GEOLOGY:

1. GEOLOGY, through the second term of Senior year, with Professor J. D. Dana, two exercises a week; Dana's Manual.

2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor E. S. Dana, four exercises a week; Dana's Text-Book.

3. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

4. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Dr. J. K. Thacher.

VII. FINE ARTS:

Four exercises a week, through the second term of Senior year, under Professor Niemeyer, in Drawing, Professor Weir, in the Principles and Means of Art, and Professor Hoppin, in the History of Art. The usual fees in the School of the Fine Arts ($18 for three months) are payable.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins eleven weeks from the day after Commencement-day and continues fourteen weeks; the

second term begins on the second Thursday in January and continues until Commencement-day, with a spring recess — usually of eight days — including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz., at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three to seven dollars a week. The average price is about $4.75.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from $25. to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room) from	$160 to	$220
Board, 37 weeks, - - - - - - - "	110 to	260
Fuel, lights, and washing, - - - - - "	30 to	60
Use of text-books and furniture, - - - "	30 to	60
Total, - - - - - - - - -	$330	$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $15,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. Over one hundred students thus have their tuition either wholly or in part remitted. Those needing such aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are also nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of about six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of about six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of

Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fourteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding one hundred and twenty dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

THE TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

THE SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

THE WINTHROP PRIZES (one of two hundred dollars and one of one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given in the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the entire College year may compete for this prize.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 52, 49.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The Board of Councilors, invited by the Corporation to advise and assist in the progress of the School, are as follows: Hon. J. E. ENGLISH, of New Haven; Hon. M. JEWELL, of Hartford; Hon. J. R. HAWLEY, of Hartford: JOSEPH E. SHEFFIELD, Esq., of New Haven; Professor J. D. DANA, of New Haven; HENRY FARNAM, Esq., of New Haven; M. DWIGHT COLLIER, Esq., of St. Louis; Hon. WILLIAM E. DODGE, of New York City.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 49). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 50–52.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.
History of the United States.
Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part I, or the First and Second Latin Books of the Ahn-Henn Latin Series (E. Steiger & Co., New York) are named as indicating the nature and extent of this requirement, and an acquaintance with one of these works will be required unless some satisfactory substitute is offered. In the last named course one-third of each exercise may, if desired, be omitted.) (2) Cæsar—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's Æneid, or a similar quantity of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, solid, and spherical; including fundamental notions of symmetry, and examples of Loci and Maxima and Minima of plane figures.

Trigonometry—including the analytical theory of the trigonometrical functions, and the usual formulæ; the construction and use of trigonometrical tables; and the solution of plane triangles;—so much, for example, as is contained in Wheeler's Plane Trigonometry (Boston, 1877), or Richards's Plane Trigonometry, (New York, 1878).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States*, *Geography*, *Arithemetic*, *Plane Geometry*, and *Algebra to Quadratic Equations*.

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice must be given of the intention to divide the examination to Professor G. J. Brush, Executive Officer of the School, on or before June 15.

For preparation in Algebra and Geometry the recently published text-books of Professor Newcomb on this subject (Henry Holt & Co., New York, 1881), may, without indicating undue preference, be especially recommended. And

to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of Syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 29, 30, July 1, and on Tuesday and Wednesday, September 12, 13, 1882. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1882 examinations (for the Freshman Class only) will also be held in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 29, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Executive Officer of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No

one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition. *Mathematics*—Plane Analytical Geometry. *Physics*—Atkinson's Ganot, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Spherical Trigonometry (Wheeler's); Elements of Mechanics. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's Manual. *Metallurgy* (optional). *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Two Dimensions; Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Descriptive Geometry, concluded. Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy with practical problems. *Mineralogy*—Continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Two Dimensions; Elements of the Theory of Functions; Numerical Equations; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Kinematics*—General Theory of Motion and Principles of Mechanism; Elementary Combinations of Pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for Wheels; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German. French.*

SENIOR YEAR:

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structure; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-Heads; Pipe connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis. French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids; Hydrometers, Manometers, Gauges, etc.; Water Pressure Engines and Water Wheels; Construction of Water Reservoirs and Conduits; Measurement of Water Supply; Discharge of pipes. *Thermodynamics*—General principles of Heat employed as a source of power; Theory of the Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines; Shearing and Pumping Engines; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy.*

(d.) IN AGRICULTURE:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physical Geography*—Lectures. *Physiology*—Huxley's. *Botany*—Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—History of Agriculture and Sketches of Husbandry in Foreign Countries; Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY:

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Chemistry*—Qualitative Analysis; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY—PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiology*—Huxley's with Practical Exercises. *Toxicology*—Fresenius's; Laboratory Practice; Recitations and Lectures. *Physiological Chemistry*—Sanderson's Handbook; Recitations and Laboratory Work. *Mineralogy*—continued. *Botany*—Lectures, Practical Exercises in Phenogamous Plants, and Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—continued. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Geology*—Dana's Manual. *Zoology*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Astronomy. English.*—Early English. *History*—Green's Short History of the English People. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Physical Geography*—Guyot; Lectures. *Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Green's History, continued; History of the United States. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspere, Milton, Dryden, Pope, Gray, and later authors. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable, $55 at the beginning of the first and second terms, and $40 at the middle of the second term. The student in the Chemical course has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself with gas, flasks, crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and

materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For graduate students the charge for tuition will be $100 per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY, are $10; unless the person taking the degree is also a graduate of the Academical department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 52.

DOCTOR OF PHILOSOPHY—See page 49.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz.: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections; applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline: studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions: the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions: the first is

devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

AN ART OPTIONAL, for undergraduate Academical students of the Senior class, is continued from January 1 to June 1, consisting of four exercises of two and a half hours each, per week, in Drawing, with a weekly lecture on the History of Art.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeleton; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture.

III. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

*Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

Second Division:

DRAWING—casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies of details in various styles; projects—dwelling-houses, stores, public-buildings, etc.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is $36.00 for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries; the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Lecturer on Church Polity and American Church History, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

Dr. BACON will give a series of lectures on Church Polity, with special reference to the polity and discipline of the Congregational Churches.

SENIOR YEAR:

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Dr. BACON will lecture on American Church History.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

GRADUATE CLASS—FOURTH YEAR:

Into this class which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects ot reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and University libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class or portions of it propose to attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Select Topics in Philosophy and Philosophical Theology.

II. DR. BACON: Special Topics in New England Church History.

III. PROFESSOR DAY: Examination of the Modern Criticism of the Pentateuch; the Curetonian Syriac compared with the Peshito Version of the Gospel of John: Petermann's Arabic Grammar.

IV. PROFESSOR HARRIS: Examination of Dorner's "System of Christian Doctrine"; Investigation of special topics in Apologetics.

V. PROFESSOR FISHER: Ancient History in its relation to the Old Testament.

VI. PROFESSOR DWIGHT: The Origin of the Synoptical Gospels: Lectures on the Revised Version of the New Testament.

VII. PROFESSOR BARBOUR: Examination of Sermons on which criticism or suggestions may be desired.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made some progress in the language, some standard work in German on Christian doctrine, with critical remarks, and references to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Natural Philosophy*, by Professor LOOMIS; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermon, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action

and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to connect himself with the College Church, or with one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, established through the liberality of Mr. Henry Trowbridge of New Haven, and containing a careful selection of two thousand volumes in various languages, is placed in the Library building recently erected, between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 100,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The Library of the College literary societies, containing over 20,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they have the opportunity of engaging in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $2.50 to $4 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle and Senior Classes, whose circumstances require it, will receive $100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid toward the expenses of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, and Edward Bull.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of

New Haven. It is offered for the fourth time to the class entering in September, 1882, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in the neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1881–82 began on Thursday, Sept. 15, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 14, 1882.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

DEPARTMENT OF MEDICINE

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Children, a Demonstrator of Anatomy, a Demonstrator of Osteology, a Lecturer on Normal Histology, a Lecturer on Food and Poisons, a Lecturer on Genito-Urinary and Venereal Diseases, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, and a Lecturer on Insanity.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues eleven weeks. The second term begins three weeks after the close of the first, and continues twelve weeks. The third term is eleven weeks in length, ending with Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in the Anatomical, Chemical, Physiological, Pathological and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or any equivalent work.

These examinations will be conducted in writing. Grammar, spelling and construction will be considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Friday following its close.

Similar examinations will be held on the Friday after the Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of $5 will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of these examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

FIRST AND SECOND TERMS—General Chemistry: Lectures and Recitations four times a week, Prof. Silliman. Chemical Laboratory, three times a week, Prof. Silliman and Mr. Smith.

Anatomy: Lectures and recitations five times a week, Prof. Sanford. Dissections four times a week after Nov. 1, Dr. Hotchkiss. Laboratory work in Osteology, etc., once a week, Dr. Williston.

Normal Histology: Laboratory work once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Prof. Thacher.

THIRD TERM—Chemistry: Lectures and Recitations, twice a week, Prof. Silliman. Laboratory work, three times a week, Prof. Silliman and Mr. Smith.

Anatomy: Laboratory work in Osteology, etc., once a week, Dr. Williston.

Normal Histology: Laboratory work, twice a week, Dr. Prudden.

Materia Medica and Therapeutics: Lectures and Recitations, five times a week, Prof. Lindsley.

Physiology: Recitations, twice a week, Prof. Thacher.

MIDDLE YEAR:

FIRST AND SECOND TERMS—Anatomy: Lectures and Recitations, five times a week, Prof. Sanford. Dissections, four times a week after Nov. 1st, Dr. Hotchkiss.

Materia Medica and Therapeutics: Lectures and Recitations, three times a week, Prof. Lindsley.

Physiology: Recitations, twice a week, Prof. Thacher.

Pathology: Lectures and Recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof Wilcox. Clinic for Diseases of the Throat, once a week, Dr. Chapman.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Genito-Urinary and Venereal Diseases, once a week, Dr. Russell.

Obstetrics and Diseases of Children: Lectures, twice a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

THIRD TERM—Materia Medica and Therapeutics: Lectures and Recitations, five times a week, Prof. Lindsley.

Pathology: Lectures and Recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox. Clinic on Diseases of the Throat, once a week, Dr. Chapman.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Genito-Urinary and Venereal Diseases, once a week, Dr. Russell.

Obstetrics and Diseases of Children: Lectures, four times a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR:

FIRST AND SECOND TERMS—Pathology: Lectures and Recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic for Diseases of the Throat,

once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week for nine weeks, Dr. Stearns. Lectures on Food and Poisons, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Genito-Urinary and Venereal Diseases, once a week, Dr. Russell.

Obstetrics and Diseases of Children: Lectures, twice a week, Prof. Beckwith.

Dispensary Clinics daily. Hospital Clinics, weekly. Operations at the Hospital.

THIRD TERM—Pathology: Lectures and Recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Wilcox. Medical Clinic, once a week, Prof. Wilcox. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic on Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous system, once a week, Dr. Ayres. Lectures on Food and Poisons, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic once a week, Prof. Carmalt. Lectures and Clinical instruction on Genito-Urinary and Venereal Diseases, Dr. Russell.

Obstetrics: Lectures four times a week, Prof. Beckwith. Cases in Obstetrics.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

In addition to the work in the dissecting room, a practical course on the bones and ligaments is instituted this year, under the supervision of DR. WILLISTON. In this the student will be furnished with specimens for study at the desk, and will thus have an opportunity to become very familiar with

this part of Anatomy from actual handling. In connection with this course, the student will go through with the dissection of the brain, eye, and such other things as are not usually studied in the dissecting room.

PRACTICAL NORMAL HISTOLOGY is taught in the microscopical laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work in Pathological Histology by the use of the microscope. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, and supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY will be taught in colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the object more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from text books are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and their therapeutical uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—Three didactic lectures each week and one clinical lecture will be given. At each clinical lecture the students in turn examine each patient before the class and the professor of the department, presenting his diagnostic points for criticism.

SURGERY—The instruction in *Surgery* will include *Ophthalmology* and *Otology.* It will consist of three didactic lectures and one clinic weekly. Care will be given to individualize the instruction to the requirements of each student, and to

familiarize all with the actual appearances of diseases as may be shown in the wards of the General Hospital, as also the most modern methods of examination and diagnosis.

A special course on Genito-Urinary and Venereal diseases, illustrated clinically, will be given by Dr. Russell.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the usual operations in midwifery, upon the manikin. The Senior Class receive clinical instruction in obstetrics at the bedside.

MEDICAL JURISPRUDENCE—Several of the professors will give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

MENTAL DISEASE—A course of lectures on this subject is given by HENRY P. STEARNS, M.D., Superintendent of the Hartford Retreat for the Insane.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday; and a MEDICAL CLINIC at 3 P. M. every Friday. In connection with the Clinics, students are made thoroughly conversant with the special methods of the expert practitioner, by having exhibited to them from day to day all the recent advances attained in physical explorations, special manipulation, and the employment of remedies.

CLINICS are also held weekly at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by about five thousand patients annually. Two of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

MUSEUMS AND LIBRARIES

THE MUSEUM contains a large collection of natural and morbid specimens, numerous casts, plates, and models of elegant execution, and an extensive cabinet of Materia Medica, all of which are made practically useful in illustrating the subjects taught. The Libraries of the University and the collections of the Peabody Museum in Mineralogy and Biology, of unsurpassed excellence, are also open for the instruction of students.

COMPARATIVE ANATOMY, ZOOLOGY, AND OTHER DEPARTMENTS COLLATERAL TO MEDICAL STUDIES—New Haven offers special advantages to Medical Students for the pursuit of Zoology, Comparative Anatomy, Botany, and other cognate studies, under distinguished teachers, in connection with the Sheffield Scientific School.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; must have spent at least one continuous year at this school and have passed the required examinations in all the studies of the three years' course.

No theses are required for graduation; but theses or monographs embodying results of original research, and of marked excellence, will be honorably mentioned, and may be commended for publication in the transactions of the Connecticut Medical Society or elsewhere.

PRIZES

THE KEESE PRIZE

The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DR. H. P. STEARNS' PRIZES

Dr. Stearns offers two special prizes: one of thirty dollars and one of twenty dollars, to be awarded to the two students of the next graduating class, who shall respectively pass the best and the next best examinations on the *Anatomy of the Nervous System.*

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

Before taking his degree a student shall have passed all the examinations of the three years satisfactorily to the board of examiners.*

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school),	$5.00
Tuition Fee, for one year,	200.00
Graduation Fee,	30.00

Of the tuition fee for the year, $65 is due at the beginning of the first term, $70 at the beginning of the second term, and $65 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at half the above rates. Fees are to be paid to the Treasurer of the University, except the graduation fee, which is to be paid to the Dean.

There are no extra expenses of any kind except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor C. A. LINDSLEY, DEAN.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

DEPARTMENT OF LAW

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, a Professor of International Law, and a Professor of Pleading; Lectures are also delivered by Rev. LEONARD BACON, D.D., LL.D., on Ecclesiastical Law, Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts as judge; the students acting as counsel, in the argument of

cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Contracts, Prof. Baldwin; General Jurisprudence, Prof. Platt; Pleading, Prof. Townsend; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Elementary Law and Real Property, Prof. Robinson; Contracts, Profs. Baldwin and Townsend; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Code Pleading, Prof. Townsend.

SPRING TERM—Recitations: Contracts, Professors Baldwin and Townsend; Torts, Prof. Platt; Mercantile Law, and Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures, English Constitutional Law, Prof. Wayland: Forensic Elocution, Mr. Bailey.

SENIOR YEAR:

FALL TERM—Recitations: Real Property and Corporations, Prof. Robinson; Equity, Prof. Platt; Contracts, Professors Baldwin and Townsend. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Corporations and Real Property, Prof. Robinson; Equity, Prof. Platt. Lectures: American Constitutional Law, Prof. Baldwin.

SPRING TERM—Recitations: Criminal Law, and Estates, Prof. Robinson; Contracts, Prof. Townsend. Lectures: Roman Law, and Practice, Prof. Baldwin; Patents, Mr. Betts; Ecclesiastical Law, Dr. Bacon.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i,

and Washburn on Real Property; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, Angell and Ames on Private Corporations, Washburn on Real Property, and Bishop on Criminal Law and Criminal Procedure.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended), and of the United States, and the text of the Constitution of the United States. This will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course. Attorneys at law of any State are entitled to admission to the Senior Class, without examination, on the exhibition of their certificates of admission to the bar.

While time spent at another law school will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another law school may if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examin-

ation in the other required branches being deferred to the close of the year.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Kent's Commentaries, lectures 14 to 18 inclusive, and 20, 21, 60, 62, and 68; Parsons on Contracts, excepting only from vol. i, pages 9 to 40 and 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, and 257 to 614, and 787 to 801, and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557; Blackstone's Commentaries (except book 4), Robinson's Notes on Elementary Law, Heard on Pleading, Greenleaf on Evidence, vol. i, Woolsey's Introduction to the Study of International Law, Cooley on Torts, Washburn on Real Property, vol. i, and Holland on Jurisprudence.

Special students, not candidates for a degree, will be admitted to any of the exercises of the School, without examination.

GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 99. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer.

The arrangement of the course is as follows:

FIRST YEAR:

Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin: Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

SECOND YEAR:

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Farnam.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoleon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the course, the preparation for which, with the collateral course of reading which will be prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time.

Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by Hon. James E. English, M.A., in 1873), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on jurisprudence and political history and philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12.45 P. M., and from 2 to 5.45

P. M. (with the exception of Saturday afternoon); during vacation it is not opened until 9 A. M.

The students can also draw books from the general University libraries, containing over 100,000 volumes.

PRIZES are annually awarded as follows:

The TOWNSEND PRIZE (established by Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

The JEWELL PRIZE (established by Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior Class who receives the highest marks at the final examination of his class, at their graduation.

The BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

GYMNASIUM—The College gymnasium is open to members of the Law Department on payment of moderate fees.

DEGREES—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, are thereupon admitted to the Connecticut Bar.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L.

Neither degree will be conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year, and in the Graduate Course, $50 for the Fall Term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for each year; to be paid to the Treasurer of the College in advance, or secured by a bond satisfactory to him. Where payment is not made in advance, interest will be added. The diploma fee is $5, and the Court fees for admission to the Bar are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from $5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY HOBART B. BIGELOW, *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about $140,000, or, with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS:

THOMAS G. BENNETT, Ph.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR CHESTER S. LYMAN, M.A., *President*
PROFESSOR HUBERT A. NEWTON, LL.D., *Secretary*

OFFICERS:

LEONARD WALDO, S.D.
ROBERT W. WILLSON, B.A.
ORRIN T. SHERMAN, B.A.

The Observatory has begun its activity by the establishment of two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. An Astronomical Observatory, inclusive of standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete apparatus for the testing of chronometers, watches, and clocks in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. The apparatus for an extended (automatic) public time service.

4. The apparatus for research and comparison in Thermometry, including comparators, cathetometers, and a collection of the best thermometers obtainable of the foreign makers and Observatories which devote special attention to thermometric standards.*

*Descriptive Circulars of the above services have been prepared for the information of persons interested, and may be obtained by addressing the Observatory.

LIBRARIES

THE COLLEGE LIBRARY numbers about 103,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 24,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 P. M. to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about .	103,000 vols.
Linonian and Brothers Library, about . . .	24,000 "
Libraries of the Professional Schools, about . .	19,000 "
	146,000

APPENDIX

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 29, 1881

ORATIONS

CHARLES WITTENBERG HOLZHEIMER, Valedictory Oration, *Elmira, N. Y.*
ADRIAN SEBASTIAN VAN DE GRAAFF, Salutatory Oration, *Los Angeles, Cal.*
RUSSELL ANSON BIGELOW, Philosophical Oration, *New Haven*
PHILIP GOLDEN BARTLETT, Philosophical Oration, *Washington, D. C.*
EDWIN EDGERTON AIKEN, Philosophical Oration, *Rutland, Vt.*
LEVI ABRAHAM ELIEL, Philosophical Oration, *Chicago, Ill.*
FRANK BENJAMIN LUCAS, Philosophical Oration, *Poquetannock*

Walter R. Bridgman, *Cleveland, O.*
Arthur E. Bostwick, *Litchfield*
Isaac Thomas, *West Chester, Pa.*
Nathaniel T. Guernsey, *Dubuque, Ia.*
George E. Ide, *Brooklyn, N. Y.*

William B. Hill, *New Haven*
Joseph D. Burrell, *Freeport, Ill.*
George M. Wallace, *Wallingford*
Charles P. Coffin, *Batavia, Ill.*
George Woolsey, *New Haven*
James Leighton, *Glenburn, Pa.*
Sherman L. Whipple, *N. London, N.H.*
Charles B. Schram, *Milwaukee, Wisc.*

DISSERTATIONS

Henry C. White, *New Haven*
Charles O. Whitmore, *Farmington*
Cyrus F. Hill, *New Haven*
Fred. H. Stebbins, *Springfield, Mass.*
Everett Warren, *Scranton, Pa.*
Nathaniel C. Fisher, *New York City*
Louis B. Hasbrouck, *Rondout, N. Y.*
Allen B. Lincoln, *Willimantic*
Francis H. Tichenor, *Parishville, N. Y.*

DISPUTES

Eben H. Wells, *Chicago, Ill.*
Daniel A. Carpenter, *Afton, N. Y.*
William R. Walker, *Skull Shoals, S. C.*
Herbert S. Brown, *South Norwalk*
Benjamin W. Bacon, *Norwich*
Otis H. Briggs, *Auburn, Me.*
Edward L. Twombly, *Boston, Mass.*
Ernest E. Hart, *Council Bluffs, Ia.*
Thaddeus H. Myers, *Yonkers, N. Y.*
James E. Zunts, *New Orleans, La.*
Sheldon P. Patterson, *Chicago, Ill.*
Lawrence Rolfe, *Auburn, Me.*

Leonard H. Poole, *Baltimore, Md.*
George M. Judd, *Newtown*
Frank N. Loomis, *Granby*
Arthur H. Ripley, *New York City*
Chas. A. S. Dwight, *Englewood, N. J.*
Willis B. Sterling, *Cleveland, O.*
John C. Coleman, *New York City*

COLLOQUIES

Robert C. Hine, *Stamford*
John R. McKee, *Pittsburgh, Pa.*
Edward L. Simonds, *N. Orleans, La.*
George B. Silliman, *East Haddam*
Frederic D. Helmer, *Pike, N. Y.*
Howard J. Curtiss, *Stratford*
Danford N. Barney, *Farmington*
Sherman Evarts, *New York City*
Reuben P. Hallock, *Rocky Pt., N. Y.*
Thomas B. Osborne, *New Haven*
Wm. W. K. Nixon, *Chicago, Ill.*
Howard T. Walden, *Brooklyn, N. Y.*
John E. Bowen, *Brooklyn, N. Y.*
Frederic R. Vernon, *Brooklyn, N. Y.*

Henry Hitchings, *Gravesend, N. Y.*
Clarence F. Carroll, *New Haven*
Lasell H. White, *Richmondville, N. Y.*
F. C. Griswold, *Greenfield, Mass.*
John D. Hall, *Norwich*
Henry N. Tuttle, *Chicago, Ill.*
Henry R. Ewing, *Pittsburgh, Pa.*
George H. Hubbard, *Woodmont*

The graduating class numbered one hundred and twenty-seven.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, APRIL 7, 1881

ORATIONS

FRANK F. ABBOTT, *Redding*
MORGAN H. BEACH, *Alexandria, Va.*
BENJAMIN BREWSTER, *New Haven*
W. IRVING BRUCE, *Poughkeepsie, N. Y.*
CHARLES B. GRAVES, *New London*
BARCLAY JOHNSON, *New York City*
JULIUS H. PRATT, JR., *Montclair, N. J.*
JOHN L. WELLS, *Fayetteville, N. Y.*

John R. Bishop, *New Brunswick, N. J.*
Charles E. Blumley, *Norwich*
Edwin B. Cragin, *Colchester*
Daniel S. Sanford, *Redding Ridge*
William Seymour, *Newington*
Franklin E. Worcester, *Albany, N. Y.*

Ferree Brinton, *Philadelphia, Pa.*
William Churchill, *New Haven*
Bryan Cumming, *Augusta, Ga.*
George E. Curtis, *Birmingham*
John P. Kellogg, *Waterbury*

DISSERTATIONS

Cyrus Bentley, Jr., *Chicago, Ill.*
Fred. J. Brockway, *Hopkinton, N. H.*
James A. Campbell, *St. Louis, Mo.*
Carlton A. Foote, *New Haven*
Wilbur H. N. Ford, *Milford*
Asa P. French, *Braintree, Mass.*
Harry C. Fries, *Philadelphia, Pa.*
Herbert S. Griggs, *St. Paul, Minn.*
Henry C. Jefferds, *Bangor, Me.*
Jas. H. Kingman, *New Bedford, Mass.*
Alfred B. Kittredge, *E. Jaffrey, N. H.*
Chester W. Lyman, *New Haven*
Samuel M. Parke, *Pittston, Pa.*
Bernard Titche, *Rayville, La.*
Daniel B. Weaver, *Lancaster, Pa.*
Joseph E. Whitney, *Cornwall*

DISPUTES

Albert H. Atterbury, *Trenton, N. J.*
Augustine FitzGerald, *Litchfield*
Frank A. Kellogg, *New Haven*
Enoch W. McBride, *Goshen, N. Y.*
Harry C. McKnight, *Ellington*
Frank E. Page, *Bath, Me.*
Henry B. Platt, *Owego, N. Y.*
Clarence A. Smith, *Birmingham*

Robert P. Bates, *Bennington, Vt.*
John F. Beede, *Meredith Village, N. H.*
George S. Boltwood, *New Haven*
Seymour C. Loomis, *Suffield*
Archibald A. Welch, *Hartford*
Martin Welles, *Newington*

COLLOQUIES

Harry R. Baltz, *Philadelphia, Pa.*
George H. Graves, *New Haven*
Alfred C. Hand, *Honesdale, Pa.*
Fred. M. Lowe, *Fitchburg, Mass.*
Charles N. Morris, *West Hartford*
Walter Murphy, *Philadelphia, Pa.*
Josiah C. Palmer, *Brooklyn, N. Y.*
Robert M. Rolfe, *Auburn, Me.*
Chas. L. Scudder, *Great Barrington, Mass.*
Edward V. Silver, *Brooklyn, N. Y.*
Frank H. Snell, *Washington, D. C.*
Henry S. Snyder, *Philadelphia, Pa.*
Charles B. Storrs, *New York City*
Howard P. Sweetser, *New York City*
Thos. M. Wentworth, *Racine, Wisc.*

Walter I. Badger, *Boston, Mass.*
Mortimer S. Bate, *Brooklyn, N. Y.*
Nathaniel R. Bronson, *Waterbury*
Stephen M. Clement, Jr., *Buffalo, N. Y.*
Frank C. Farwell, *Chicago, Ill.*
Howard H. Knapp, *South Norwalk*
Martin Lovering, *Harvard, Mass.*
Herbert L. Moodey, *Brooklyn, N. Y.*
William H. Parsons, Jr., *Rye, N. Y.*
John Rossiter, *North Guilford*
Arthur Scranton, *Scranton, Pa.*
Charles M. Sholes, *Newport, N. H.*
Lewis M. Silver, *Brooklyn, N. Y.*
Tracy Waller, *New London*
Edward O. Weed, *New York City*

HOLDERS OF FELLOWSHIPS.

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—AMBROSE TIGHE, B.A., Class of 1879.
SOLDIERS' Memorial Fellow—HORATIO M. REYNOLDS, B.A., Class of 1880.
SILLIMAN Fellow—ARTHUR E. BOSTWICK, B.A., Class of 1881.

THEOLOGICAL DEPARTMENT:

HOOKER Fellow—CHARLES H. WILLCOX, B.D., Class of 1881.
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HURLBUT Scholarship, Class of 1884—John M. Burnam.
THIRD Freshman Scholarship, Class of 1884—Frederic S. Jones.
DEFOREST Medal, Class of 1881—{ Russell A. Bigelow, Isaac Bromley.
TOWNSEND Premiums for English Composition, Class of 1881—Edwin E. Aiken, Benjamin W. Bacon, Joseph D. Burrell, Levi A. Eliel.
COBDEN Club Medal for proficiency in Political Economy, Class of 1881—Leonard H. Poole, with honorable mention of Sherman L. Whipple.
SENIOR Mathematical Prize, Class of 1881—Frank B. Lucas.
PREMIUM for solution of Astronomical Problems, Class of 1881—Frank B. Lucas.
SCOTT Prize in German, Class of 1881—Charles W. Holzheimer.
SCOTT Prize in French, Class of 1882—Bryan Cumming.
WINTHROP Prizes, Class of 1882: 1st Prize, John L. Wells; 2d Prize, George W. Lay.

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1882:

1st Prizes, W. Irving Bruce and Charles B. Storrs; 2d Prizes, Cyrus Bentley, Jr., John R. Bishop, Benjamin Brewster, Harry C. Fries, Walter Murphy, Julius H. Pratt, Jr., Henry S. Snyder, Franklin E. Worcester.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1883:

1st Term: 1st Prizes, Selden Bacon, Charles W. Burpee, Woolsey Carmalt, Fred W. Kellogg, Edward T. McLaughlin; 2d Prizes, George W. Johnston, Joseph M. Lewis, Harry H. Palmer, Sherman D. Thacher, William Trumbull; 3d Prizes, Arthur E. Bowers, George P. Carroll, Arthur B. Cornwall, Carll A. Lewis, Eliakim H. Moore, Jr.

2d Term: 1st Prizes, Arthur E. Bowers, Woolsey Carmalt, George W. Johnston, Fred W. Kellogg; 2d Prizes, George H. Bottome, Charles W. Burpee, Harry H. Palmer, Francis J. Phelps, William Trumbull; 3d Prizes, George P. Carroll, Carll A. Lewis, Thomas S. Southworth, Harold Vernon.

PRIZES FOR DECLAMATION, CLASS OF 1883:

1st Prizes, Mun Yew Chung, Thomas D. Husted; 2d Prizes, George W. Johnston, Fred C. Leonard; 3d Prizes, George Cromwell, Laurent C. Deming.

MATHEMATICAL PREMIUMS:

Class of 1883—1st Prize, Eliakim H. Moore, Jr.; 2d Prizes, Clifford S. Kelsey, Charles M. Kendall; 3d Prizes, Everett J. Esselstyn, Augustus T. Morgan.

Class of 1884—1st Prize, George W. Patterson, Jr.; 2d Prize, George E. Cohen; 3d Prizes, Frederic S. Jones, Dean A. Walker, Arthur B. Wells.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1884:

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THE BELKNAP PRIZE FOR EXCELLENCE IN ZOOLOGICAL AND BIOLOGICAL STUDIES, Ethan Allen Andrews.

Class of 1882:

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, Frank Judson Lambert.

Class of 1883:

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Edward Bradford Dench, Bridgeport, with honorable mention of John Bartholomew, and Frederick Elijah Beach.

FOR EXCELLENCE IN MATHEMATICS, John Alpheus Allen, with honorable mention of John Bartholomew, Frederick Elijah Beach, and Edward Bradford Dench.

FOR EXCELLENCE IN GERMAN, Edward Bradford Dench.

FOR EXCELLENCE IN PHYSICS, John Alpheus Allen and Edward Bradford Dench.

FOR EXCELLENCE IN CHEMISTRY, John Alpheus Allen, with honorable mention of John Bartholomew and Edward Bradford Dench.

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TOWNSEND PRIZE, for pronouncing the best oration at graduation, Class of 1881—Murray Corrington, B.A., Knox College, Peoria, Ill.

Committee of Award: Hon. Benjamin D. Silliman, LL.D., Brooklyn, N. Y.
Hon. Stephen W. Kellogg, Waterbury.
Henry Holt, Esq., New York City.

JEWELL PRIZE, for the best examination at graduation, Epaphroditus Peck, Bristol.

BETTS PRIZE, for the best examination on the studies of Junior year, Class of 1882—William R. Barbour, B.A., New Haven.

HONORS:

[These lists comprise the names of the five in each class who received the highest marks at the annual examination.]

Class of 1882:

Epaphroditus Peck, (Jewell Prize.)
John Pomeroy Bartlett, Ph.B., New Britain.
Peter Doyle, (Attorney at Law) Prairie du Chien, Wisc.
Murray Corrington, B.A., Knox College, } Peoria, Ill.
Edwin Allan Smith, New Haven.

Class of 1883:

William Ransom Barbour, B.A., (Betts Prize.)
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Eugene Winston Walker, B.A., Richmond, Ky.
Frederic William Keator, B.A., Moline, Ill.
Winthrop Hoyt Perry, B.A., Southport.

DEPARTMENT OF MEDICINE:

KEESE PRIZE, for the best thesis at graduation, Class of 1881—James E. Stetson, New Haven.

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All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

The Annual Catalogue will be sent regularly to all graduates who may express the desire to receive it, and who furnish their addresses for the purpose.

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ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College: from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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CALENDAR

1882		
14 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
28 Sept.	Thursday	Fall Term, Department of Law, begins.
2 Oct.	Monday	School of the Fine Arts, term begins.
4 Oct.	Wednesday	Examination for admission, Department of Medicine.
5 Oct.	Thursday	First Term, Department of Medicine, begins.
21 Dec.	Thursday	FIRST TERM ends.
	Winter Vacation of three weeks.	
1883		
11 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
15 March	Thursday	Junior Exhibition.
21 March	Wednesday	SPRING RECESS begins.
28 March	Wednesday	SPRING RECESS ends.
29 March	Thursday	Winter Term, Department of Law, ends.
12 April	Thursday	Third Term, Dep't of Medicine, begins.
12 April	Thursday	Spring Term, Department of Law, begins.
7 May	Monday	Berkeley Scholarship Examination.
15, 16 May	Tuesd., Wedn.	Annual Examination, Dep't of Theology.
17 May	Thursday	Anniversary, Department of Theology.
21 May	Monday	Woolsey Scholarship Examination begins.
21 May	Monday	Winthrop Prize Examination.
31 May	Thursday	School of the Fine Arts, term ends.
22 June	Friday	DeForest Prize Speaking.
24 June	Sunday	Baccalaureate Sermon.
25 June	Monday	Presentation for Degrees, Academical Dep't.
25 June	Monday	Anniversary of the Department of Medicine.
26 June	Tuesday	Anniversary of the Society of Alumni.
26 June	Tuesday	Anniversary of the Sheffield Scientific School
26 June	Tuesday	Anniversary of the Department of Law.
27 June	Wednesday	COMMENCEMENT.
28, 29, 30 June	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.
	Summer Vacation of eleven weeks.	
11, 12 Sept.	Tuesd., Wedn.	Examinations for admission.
13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
27 Sept.	Thursday	Fall Term, Department of Law, begins.
3 Oct.	Wednesday	Examination for admission, Department of Medicine.
4 Oct.	Thursday	First Term, Department of Medicine, begins
20 Dec.	Thursday	FIRST TERM ends.

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Henry Morton Chase	*Syracuse, N. Y.*	108 N.
Samuel Beresford Childs	*East Hartford*	105 N.
Charles Cameron Clarke, Jr.	*Sing Sing, N. Y.*	11 S.
Gilbert Colgate	*Orange, N. J.*	29 S.
Charles Farnham Collins	*Newport, R. I.*	201 D.
Robert Harrison Cornish	*Gillette, N. J.*	4 S.
Arthur Bradford Cornwall	*New Haven*	90 N. M.
Charles Rogers Corwith	*Chicago, Ill.*	32 S.
John Franklin Craul	*Hall, Pa.*	74 N. M.
George Cromwell	*Brooklyn, N. Y.*	228 D.
Frank Cunningham	*New York City*	101 N.
Arnold Guyot Dana	*New Haven*	24 Hillhouse av.
Laurent Clerc Deming	*Hartford*	29 S.
Edward Nelson Dingley	*Lewiston, Me.*	129 F.
Maurice Edwards Dunham	*Edgartown, Mass.*	16 S.
Everett James Esselstyn	*Hollowville, N. Y.*	105 N.
Seward Henry Fields	*Atlanta, Ill.*	134 F.
Arthur Lyman Fisk	*Northampton, Mass.*	16 S.
Henry Edward Fisk	*Chicago, Ill.*	90 N. M.
Henry Titus Folsom	*Orange, N. J.*	210 D.

Charles Jenkins Foote	*New Haven*	14 S.
Charles Seward Foote	*Port Henry, N. Y.*	103 N.
Henry Anthon Forchheimer	*Mobile, Ala.*	157 F.
Robert Aldrich Fosdick	*Stamford*	2 S.
Elihu Brintnal Frost	*Peekskill, N. Y.*	209 D.
Herbert Loring Frost	*Cleveland, O.*	132 F.
John William Galbraith	*Erie, Pa.*	133 F.
Stephen Leonard Geisthardt	*Norwich*	7 S.
Chauncey Milton Griggs	*St. Paul, Minn.*	210 D.
William Irwin Grubb	*Cincinnati, O.*	211 D.
Charles Harris Hall	*Binghamton, N. Y.*	219 D.
Charles Halsey	*Brooklyn, N. Y.*	228 D.
Clifford Dudley Ham	*Dubuque, Iowa*	145 F.
Charles William Harkness	*Cleveland, O.*	218 D.
Benjamin Vincent Harrison	*Montclair, N. J.*	149 F.
Irving Warren Hart	*Southington*	92 N. M.
Frederick William Havens	*Bridgeport*	1 TR.
Samuel Newhall Hawkes	*New Haven*	233 York st.
Victor Emanuel Helleberg	*Cincinnati, O.*	85 N. M.
Harry Roberts Hillard	*Wilkes Barre, Pa.*	104 N.
Lord Butler Hillard	*Wilkes Barre, Pa.*	30 S.
Tuthill Reynolds Hillard	*Wilkes Barre, Pa.*	104 N.
Horace George Hoadley	*New Haven*	27 S.
William James Holly	*Philadelphia, Pa.*	69 N. M.
Wilber Eugene Houpt	*Somerset, N. Y.*	135 F.
Henry Martyn Hoyt	*Kingston, Pa.*	107 N.
Louis Kossuth Hull	*Lebanon*	209 D.
Thomas D. Husted	*Peekskill, N. Y.*	101 N.
William Alfred Jackson	*Norwalk*	36 High st.
George Conkling Jennings	*Cleveland, O.*	227 D.
Samuel Rountree Jewett	*Chicago, Ill.*	135 F.
George Washington Johnston	*Frankfort, Ky.*	227 D.
Francis Bartlett Kellogg	*Avon*	107 N.
Fred William Kellogg	*Red Wing, Minn.*	25 S.
Clifford Stephen Kelsey	*Bridgeport*	12 S.
Charles Martin Kendall	*Angelica, N. Y.*	204 D.
Sheldon Quayle Kerruish	*Cleveland, O.*	213 D.
Daniel Stimson Knowlton	*Biddeford, Me.*	144 F.
Harry Woodville Latham	*Bridgeport*	147 F.
Fred Churchill Leonard	*Spring Mills, N. Y.*	23 S.
Carll Andrews Lewis	*New Haven*	258 George st.
Joseph McKeen Lewis	*New York City*	27 S.
Allyn Cooke Loomis	*Windsor*	73 N. M.
Charles Loughridge	*Chicago, Ill.*	108 N.
George Henry Anderson Lyford	*Cincinnati, O.*	152 F.
George Stanley Lynde	*Bangor, Me.*	76 N. M.
Edward Tompkins McLaughlin	*Litchfield*	25 S.
William Hutchinson Merrill	*Brooklyn, N. Y.*	450 Chapel st.

Kier Mitchell	*Pittsburgh, Pa.*	217 D.
Cleveland Langston Moffett	*Newton, N. J.*	13 S.
Eliakim Hastings Moore, Jr.	*Denver, Col.*	152 F.
John Atwood Moore	*St. Louis, Mo.*	166 F.
Marcus Morton, Jr.	*Andover, Mass.*	132 F.
Joseph Horton Nelson	*Aurora, Ill.*	168 F.
Walter Eben Nettleton	*Stockbridge, Mass.*	220 D.
Isaac Burkett Newton	*Norwich, N. Y.*	147 F.
Harry Herbert Palmer	*Sioux City, Iowa*	26 S.
Joseph Robinson Parrott	*Oxford, Me.*	22 S.
Dudley Phelps	*New York City*	450 Chapel st.
John Jay Phelps	*Englewood, N. J.*	217 D.
John Pierpont	*New Haven*	10 S.
Samuel Ball Platner	*Newark, N. J.*	154 F.
Austin Roe Preston	*Buffalo, N. Y*	31 S.
William Price	*Pottstown, Pa.*	69 N. M.
James Frank Raymond	*Brooklyn, N. Y.*	134 F.
David Farnam Read	*Bridgeport*	12 S.
Frederick William Rogers	*Cambridge, Mass.*	32 S.
Robert Cameron Rogers	*Buffalo, N. Y.*	15 S.
Joseph James Rose	*Bridgeport*	1 TR.
Charles Edward Sackett	*Westfield, N. Y.*	106 N.
Edward Barteau Sargent	*Cincinnati, O.*	208 D.
Linton Satterthwait	*Trenton, N. J.*	73 N. M.
Andrew Linn Sawyer	*Greenwich*	163 Orange st.
Rollin Augustus Sawyer, Jr.	*Greenwich*	163 Orange st.
Frederick David Shaffer	*Cincinnati, O.*	225 D.
Stanley Shaffer	*Cincinnati, O.*	225 D.
Charles Colebrook Sherman	*Syracuse, N. Y.*	155 F.
Henry Warner Slocum, Jr.	*Brooklyn, N. Y.*	226 D.
Clarence Melbury Smith	*Clifton, S. I., N. Y.*	204 D.
Edward Everett Smith	*Birmingham*	26 S.
Herbert Rodgers Smith	*Norwalk*	13 S.
Warren Weston Smith	*New York City*	8 S.
Thomas Shepard Southworth	*West Springfield, Mass.*	119 N.
Frank Penrose Sproul	*Pittsburgh, Pa.*	226 D.
William Kerper Stevens	*Reading, Pa.*	219 D.
William Hamilton Stockwell	*Orange, N. J.*	129 F.
Horatio Odell Stone	*Chicago, Ill.*	210 D.
Henry Hastings Strong	*Westfield, Mass.*	22 S.
Albert Edmond Symington	*New York City*	218 D.
Horace Dutton Taft	*Cincinnati, O.*	211 D.
Yew Fun Tan	*Kwongtung, China*	72 N. M.
Sherman Day Thacher	*New Haven*	11 S.
Henry Czar Merwin Thomson	*New Haven*	14 S.
Joseph Parker Trowbridge	*New Haven*	41 College st.
William Trumbull	*Valparaiso, Chili*	144 F.
Denison Baldwin Tucker	*New Haven*	91 N. M.

Harold Vernon	*Brooklyn, N. Y.*	213 D.
Frederic Denison Ward	*New York City*	91 N. M.
John Elton Wayland	*New York City*	208 D.
William Warren Weeks	*Havre, France*	166 F.
Clarence Wetherill Wilson	*Buffalo, N. Y.*	15 S.
John Butler Woodward	*Wilkesbarre, Pa.*	30 S.
Charles Halsted Yates	*Montclair, N. J.*	212 D.
Morrison Waite Young	*Toledo, O.*	160 F.

SENIORS, 149

JUNIOR CLASS

Frederic Sturges Allen	*Bridgeport*	159 F.
Wallace Steele Allis	*Brookfield, Vt.*	57 S. M.
Allison Vincent Armour	*Chicago, Ill.*	238 D.
Frank Oliver Ayres	*Oakham, Mass.*	124 N.
Frederic McLeod Barbour	*New Haven*	158 F.
Charles Seidles Beck, Jr.	*Wilkes Barre, Pa.*	23 S.
Charles Edwin Bedell	*Montclair, N. J.*	148 F.
Gabriel Isidore Behrisch	*Norwich*	157 F.
Nelson Pendleton Bigelow	*Chicago, Ill.*	233 D.
George Reddington Blodgett	*Bucksport, Me.*	45 S. M.
Samuel Albert Boëth	*Easton*	44 S. M.
Wilbur Franklin Booth	*Easton*	44 S. M.
Carl Eastman Botsford	*Elgin, Ill.*	142 F.
Frank Davis Bowen	*Brooklyn, N. Y.*	24 S.
Robert Munro Boyd, Jr.	*Montclair, N. J.*	148 F.
William Benjamin Bristow	*New York City*	231 D.
Henry Buist, Jr.	*Charleston, S. C.*	163 F.
John Miller Burnam	*St. Louis, Mo.*	53 S. M.
James William Cain	*New Haven*	58 Putnam st.
Willson Carpenter	*Shekomeko, N. Y.*	176 F.
Charles Eugene Carr	*New Haven*	2 Hillhouse av.
William Mearns Carswell	*Highland Falls, N. Y.*	43 S. M.
Neville Hart Castle	*San Francisco, Cal.*	142 F.
Edward Mortimer Chapman	*Old Saybrook*	100 N.
George Marvin Cheney	*Southbridge, Mass.*	164 F.
James Milton Claggett	*Hollis, N. H.*	60 S. M.
Edward Huntington Coley	*Westport*	62 S. M.
William Bradley Coley	*Westport*	62 S. M.
Harris Dunscomb Colt	*New York City*	138 F.
Frederick Connell	*Scranton, Pa.*	164 F.
Charles Wilson Copeland	*Brooklyn, N. Y.*	66 N. M.
Edmund Petrie Cottle	*Buffalo, N. Y.*	24 S.

Henry Boman Cromwell	*Brooklyn, N. Y.*	230 D.
Frederick Kingsbury Curtis	*New York City*	233 D.
Leonard Mayhew Daggett	*New Haven*	174 F.
Henry Laurens Dawes, Jr.	*Pittsfield, Mass.*	234 D.
James Martin Dawson	*New York City*	223 D.
Fred Herbert Dodge	*Bangor, Me.*	182 L.
Julius Tyler Andrews Doolittle	*Utica, N. Y.*	239 D.
Frederic William Doringh	*Bristol, R. I.*	203 York st.
Charles Edwin Eaton	*Orange, N. J.*	59 S. M.
Ellsworth Eliot, Jr.	*New York City*	177 F.
Maxwell Evarts	*New York City*	90 High st.
Arthur Lincoln Farwell	*Chicago, Ill.*	234 D.
George Washington Flowers	*Irwin's Station, Pa.*	64 S. M.
Reginald Foster	*Boston, Mass.*	4 Library st.
Gerard Fountain	*New York City*	216 D.
Edward Chenery Gale	*Minneapolis, Minn.*	97 N.
Daniel Havens Griffing	*Cutchogue, N. Y.*	113 N.
Gustave Frederick Gruener	*New Haven*	97 N.
John Rogers Halsey, Jr.	*Brooklyn, N. Y.*	4 Library st.
Robert Walbridge Hamill	*Chicago, Ill.*	238 D.
Horace Edward Hand	*Scranton, Pa.*	230 D.
James Smith Havens	*Weedsport, N. Y.*	140 F.
Howard Haines Higbee	*Cleveland, O.*	215 D.
Roderick Whittelsey Hine	*Lebanon*	140 F.
John Holden	*Bridgeport*	159 F.
Joseph Glasby Holliday	*St. Louis, Mo.*	222 D.
Charles Elmer Holmes	*Weeping Water, Nebr.*	57 S. M.
Henry Caleb Hopkins	*Catskill, N. Y.*	229 D.
Sidney Wright Hopkins, Jr.	*New York City*	206 D.
Edmund Otis Hovey	*New Haven*	43 S. M.
Frank Campbell Hughson	*Albany, N. Y.*	215 D.
William Hugh Hyndman	*Newburgh, N. Y.*	46 S. M.
Paul Emott Jenks	*Brooklyn, N. Y.*	4 Library st.
Charles Jesup Jennings	*Redding*	215 York st.
Reinert August Jernberg	*Fredrikshald, Norway*	64 S. M.
William Henry Jessup	*Montrose, Pa.*	224 D.
Daniel Albion Jones	*Fair Haven*	43 S. M.
Frederic Scheetz Jones	*Monroe City, Mo.*	48 S. M.
George William Judson	*Stratford*	48 S. M.
Robert Bage Kerr	*New York City*	214 D.
Ernest Buckingham Kimberly	*New Haven*	60 S. M.
David Kinlay, Jr.	*Andover, Mass.*	109 N.
Newell Clark Knight	*St. Louis, Mo.*	222 D.
Yung Kwai	*Kwongtung, China*	72 N. M.
Alexander Lambert	*New York City*	90 High st.
Thomas Garner Lawrance	*New York City*	224 D.
Edward Ashton Lawrence	*Chicago, Ill.*	235 D.
Beirne Lay	*Easton, Md.*	156 F.

James Otis Lincoln	*Bath, Me.*	172 F.
Ernest St. George Lough	*Brooklyn, N. Y.*	163 F.
Robert Hunt Lyman	*Holyoke, Mass.*	61 S. M.
George John McAndrew	*Forestville, N. Y.*	113 N.
John Osborn McCalmont	*Franklin, Pa.*	46 S. M.
Samuel Plumer McCalmont, Jr.	*Franklin, Pa.*	170 F.
Edwin McClellan	*Cambridge, N. Y.*	48 S. M.
Henry McCormick, Jr.	*Harrisburg, Pa.*	221 D.
Henry Clay McDowell, Jr.	*Lexington, Ky.*	231 D.
Oliver McKee	*Brooklyn, N. Y.*	212 D.
William Charles McMillan	*Detroit, Mich.*	202 D.
George Hudson Makuen	*Goshen, N. Y.*	156 F.
Isaac Henry Mayer	*Chicago, Ill.*	54 S. M.
Charles Abernethy Mead	*Darien*	88 N. M.
Edwin Albert Merritt	*Potsdam, N. Y.*	182 L.
John Andrew Myers	*Columbia, Pa.*	214 D.
Alexander Newton	*Crystal Springs, Miss.*	53 S. M.
William Ebenezer Nichols	*East Haddam*	161 F.
William Theophilus Nichols	*Cincinnati, O.*	131 F.
James William Oakford	*Scranton, Pa.*	232 D.
George Wakeman Osborn	*Easton*	56 S. M.
Harry McMahon Painter	*West Haven*	37 S. M.
Charles Laban Pardee	*New Haven*	65 Olive st.
George Washington Patterson, Jr.	*Westfield, N. Y.*	88 N. M.
Frank Dunlap Pavey	*Washington C. H., O.*	115 Elm st.
Vincent Charles Peck	*Trumbull*	105 Dwight st.
Benjamin Horn Pendleton	*Stonington*	54 S. M.
James Hosmer Penniman	*Philadelphia, Pa.*	47 S. M.
Jacob Perkins	*Warren, O.*	165 F.
Charles Pierpont Phelps	*Burlington, Vt.*	229 D.
Clarence Nathaniel Platt	*New Haven*	17 Lyon st.
Edwin Lewis Porter	*New Cumberland, W. Va.*	221 D.
Edward Wright Potter	*Essex*	173 F.
Albert Henry Pratt	*Brooklyn, N. Y.*	223 D.
Harry Woodruff Prouty	*Concord, O.*	40 S. M.
James Bronson Reynolds	*North Haven*	143 F.
Clinton Ross	*Binghamton, N. Y.*	137 F.
Henry Jacob Ryder	*New Haven*	70 Hallock st.
Harry Gilbert Samson	*Richmond, Ind.*	177 F.
Edward Isaac Sanford, Jr.	*New Haven*	237 D.
William Henry Sanford	*Newtown*	131 F.
Ward Webster Savery	*Marion, Mass.*	47 S. M.
Benjamin Scharps	*Newburgh, N. Y.*	55 S. M.
James Foster Scott	*West Philadelphia, Pa.*	38 S. M.
Charles Scott Seeley	*Fairfield*	56 S. M.
Henry Tweedy Shelton, Jr.	*Bridgeport*	237 D.
Oliver Taylor Sherwood	*Southport*	37 S. M.
John Ira Souther	*Worcester, Mass.*	40 S. M.

William McMurtrie Speer	*Huntingdon, Pa.*	434 Chapel st.
Selden Palmer Spencer	*Erie, Pa.*	143 F.
Sydney Stein	*Chicago, Ill.*	139 F.
John Henry Stevenson, Jr.	*Brooklyn, N. Y.*	170 F.
Frank Strong	*Auburn, N. Y.*	180 I.
William Lord Strong	*Pittston, Pa.*	176 F.
John Trumbull Swift	*Colchester*	216 D.
William Ambrose Taylor	*Brooklyn, N. Y.*	239 D.
Joseph Tomlinson, Jr.	*Shelton*	39 S. M.
Ray Tompkins	*Elmira, N. Y.*	203 D.
Frank Dean Trowbridge	*New Haven*	232 D.
Joseph Nathaniel Tuttle	*Madison, N. J.*	124 N.
Henry Bancroft Twombly	*Boston, Mass.*	158 F.
George Urquhart, Jr.	*Wilkes Barre, Pa.*	175 F.
Harry Raup Wagner	*Philadelphia, Pa.*	169 F.
Albert Clark Waite	*New York City*	235 D.
Charles Morehead Walker	*Chicago, Ill.*	169 F.
Dean Augustus Walker	*Auburndale, Mass.*	162 F.
Charles Ansel Watrous	*New Haven*	174 F.
Albert Foote Wells	*New Haven*	100 Greene st.
Arthur Brattle Wells	*Chicago, Ill.*	173 F.
Edward Wells, Jr.	*Peekskill, N. Y.*	161 F.
Henry Lincoln Whittlesey	*Old Saybrook*	172 F.
Daniel Hand Wilcox, Jr.	*New Haven*	165 F.
Amos Parker Wilder	*Augusta, Me.*	162 F.
Nathan Gallup Williams, Jr.	*Detroit, Mich.*	202 D.
William Williams	*New London*	238 York st.
Herbert Walter Wolcott	*Cleveland, O.*	45 S. M.
Henry Milton Wolf	*Chicago, Ill.*	139 F.
Joseph Wood	*Sayville, N. Y.*	167 F.
Harry Augustus Worcester	*Albany, N. Y.*	206 D.
Edward Augustus Wright	*Cromwell*	61 S. M.

JUNIORS, 160

SOPHOMORE CLASS

Ernest Rufus Adee	*Westchester, N. Y.*	464 Chapel st.
Clifford Butler Allen	*St. Louis, Mo.*	124 W.
Henry Burrall Anderson	*New York City*	464 Chapel st.
John Hulett Arnot	*Elmira, N. Y.*	65 W.
Francis Peck Bacheler	*Woodstock*	161 York st.
Lucius Olmsted Baird	*Chicago, Ill.*	119 W.
Dwight Baldwin	*Allston, Mass.*	141 F.
Henry deForest Baldwin	*New York City*	136 Crown st.

Walter Sterrett Baldwin	*Chicago, Ill.*	432 Chapel st.
Frederic Barnard	*Poughkeepsie, N. Y.*	106 Wall st.
Jonathan Barnes	*Springfield, Mass.*	192 C.
Henry Worthington Beckwith	*Chicago, Ill.*	68 W.
Samuel Reading Bertron	*Port Gibson, Miss.*	107 W.
Lewis Sherrill Bigelow	*St. Paul, Minn.*	464 Chapel st.
Joseph Augustus Blake	*New Haven*	92 W.
Herbert James Boggis	*Cleveland, O.*	65 N. M.
John Henry Booth	*Vergennes, Vt.*	192 C.
Robert Seymour Bradley	*New Haven*	98 N.
Frank Bosworth Brandegee	*New London*	464 Chapel st.
John Cloyse Bridgman	*Cleveland, O.*	75 N. M.
John Horatio Briggs	*Auburn, Me.*	1 S.
Oliver Percy Bright	*Wilmington, Del.*	107 W.
Henry Stanford Brooks, Jr.	*San Francisco, Cal.*	464 Chapel st.
John Laidlaw Buel	*Litchfield*	123 N.
Lewin Frank Buell	*Madison*	100 N.
David Hanson Buffum, Jr.	*Great Falls, N. H.*	464 Chapel st.
Samuel Davis Capen	*St. Louis, Mo.*	124 W.
Charles Lyman Carhart	*Peekskill, N. Y.*	187 C.
William Merle Carhart	*Peekskill, N. Y.*	187 C.
William Scoville Case	*Granby*	189 George st.
Wilson Catherwood	*Philadelphia, Pa.*	87 W.
Edward Herrick Chandler	*Auburndale, Mass.*	116 N.
Harry Goodnow Chase	*Lake View, Ill.*	65 N. M.
Francis Asbury Christian	*Canandaigua, N. Y.*	60 S. M.
Sidney Morse Colgate	*Orange, N. J.*	66 W.
Richard Collins Colt	*New York City*	138 F.
Henry Buckelew Cosgrove	*Brooklyn, N. Y.*	3 S.
Augustin Averill Crane	*New Haven*	213 Orange st.
William Williams Crehore	*Cleveland, O.*	533 Chapel st.
Wilbur Lucius Cross	*Gurleyville*	99 N.
Charles Elbridge Cushing	*Bath, Me.*	1 S.
Colman Ward Cutler	*New London*	450 Chapel st.
William M. Derby	*Chicago, Ill.*	20 S.
George Stuart Dickinson	*Worcester, Mass.*	41 S. M.
Charles Stuart Dodge	*New York City*	72 W.
Herbert Lionel Doggett	*Kansas City, Mo.*	68 W.
Wilfred Ernest Eaton	*Orange, N. J.*	59 S. M.
Richard Ellis	*Peekskill, N. Y.*	49 S. M.
Albert Heman Ely	*Elyria, O.*	206 D.
William David Evans	*Rockville*	68 N. M.
Walter Farwell	*Chicago, Ill.*	81 N. M.
John Dennis Ferris	*Chatham, N. J.*	3 S.
Henry Richmond Flanders	*West Tisbury, Mass.*	81 N. M.
John Couch Flanders	*Portland, Oregon*	17 S.
Charles Northrop Flint	*Port Henry, N. Y.*	202 Orange st.
Lambert Foster	*Plainfield, N. J.*	119 W.

Frederic Wilson Francis	*Newington*	188 C.
Walter Francis Frear	*Oakland, Cal.*	99 N.
Henry Fresenius	*New Haven*	41 S. M.
Harlow Stearns Gale	*Minneapolis, Minn.*	97 N.
John William Gavin	*New Haven*	90 Orchard st.
Edward Augustus George	*Providence, R. I.*	63 S. M.
Lafayette Blanchard Gleason	*Delhi, N. Y.*	33 S. M.
Kenyon Gorham	*New York City*	59 W.
Herbert Ridgway Green	*Reading, Pa.*	92 W.
William Gregory Green	*New Milford*	75 N. M.
James Hall	*New Haven*	82 N. M.
Charles Edward Harris, Jr.	*New Haven*	149 St. John st.
Henry Knabb Harrison	*Birdsboro, Pa.*	117 York st.
Walter Augustus Hawley	*San Francisco, Cal.*	193 C.
Benjamin Kaye Heaton	*Philadelphia, Pa.*	191 C.
Edward Neblett Hidden	*Cincinnati, O.*	215 Crown st.
Charles Buxton Hobbs	*Brooklyn, N. Y.*	115 W.
Philip Parley Hubbard	*Litchfield*	128 High st.
Stanton Benette Hume	*St. Louis, Mo.*	63 W.
Ernest Howard Hunter	*Chicago, Ill.*	56 W.
Henry Fairchild James	*Ogdensburg, N. Y.*	464 Chapel st.
William Jarvis	*Louisville, Ky.*	237 Orange st.
James Richard Joy	*Groton, Mass.*	186 C.
James Benjamin Keogh	*Chicago, Ill.*	57 W.
Hervey DeLoss Leland	*Utica, N. Y.*	200 George st.
George Thomas Linsley	*New Haven*	11 Wolcott st.
Rodney Macdonough	*Philadelphia, Pa.*	106 W.
John McHenry	*Baltimore, Md.*	115 W.
Guy Ward Mallon	*Cincinnati, O.*	130 F.
Louis Austin Mansfield	*New Haven*	70 Lyon st.
Charles Thompson Mathews	*New York City*	71 W.
William Maxwell	*Rockville*	64 W.
James Alfred Merrill	*Rutland, Vt.*	464 Chapel st.
Caleb Eugene Montgomery	*Lancaster, Pa.*	62 W.
William Procter Morrison	*Cincinnati, O.*	20 S.
David Winfield Mulvane	*Topeka, Kansas*	17 S.
Charles Dwight Napier	*Brooklyn, N. Y.*	64 W.
Atherton Noyes	*Wilmington, Mass.*	116 N.
Manly Dayton Ormes	*Tuscola, Mich.*	190 C.
John Stone Pardee	*New Haven*	133 College st.
John Palmer Parsons	*Rye, N. Y.*	66 W.
Lyman Plimpton Peet	*West Haven*	191 C.
William Fellows Peet	*Philadelphia, Pa.*	33 S. M.
Edward Bunnell Phelps	*New Haven*	10 Washington st.
Robert James Pitkin	*Denver, Col.*	57 W.
John Winthrop Platner	*Newark, N. J.*	154 F.
David Plessner	*Holden, Mo.*	63 W.
Oramel Whittlesey Pratt	*Salem*	194 C.

Eugene Lamb Richards, Jr.	*New Haven*	135 College st.
Edwin Wales Robertson	*Columbia, S. C.*	109 College st.
Lucius Franklin Robinson	*Hartford*	76 High st.
Harry Leighton Rollins	*Wellesley, Mass.*	130 F.
George Augustus Sanderson	*Littleton, Mass.*	186 C.
Robert Alfred Sands	*New York City*	62 W.
Emil Adolfe Schultze, Jr.	*Hoboken, N. J.*	464 Chapel st.
Conrad Shamel Sheive, Jr.	*Norristown, Pa.*	58 W.
Frank Robinson Shipman	*Hartford*	76 High st.
Joseph Cornelius Smith	*Hawleyville*	22 Olive st.
George Fitch Stacy	*Stacyville, Iowa*	194 C.
Carrington Riverius Stiles	*East Bloomfield, N. Y.*	17 Wooster sq.
Richard Salter Storrs	*Orange, N. J.*	450 Chapel st.
Otis Strong	*Auburn, N. Y.*	180 L.
Wyllys Terry	*Brooklyn, N. Y.*	87 N. M.
Arthur Cecil Thomson	*New Haven*	220 D.
Arthur Lloyd Tomes	*Brooklyn, N. Y.*	18 S.
William Thomas Tomlinson	*Georgetown, Del.*	68 N. M.
Joseph Hendley Townsend	*New Haven*	18 S.
Frank Van Allen	*Ravenswood, Ill.*	190 C.
Francis Joseph Vernon	*Brooklyn, N. Y.*	67 N. M.
George Edgar Vincent	*New Haven*	44 High st.
Wilmer Earl Walker	*Chicago, Ill.*	56 W.
Charles Lewis Way	*Hartford*	76 High st.
Paul Irving Welles	*Fayetteville, N. Y.*	116 W.
Theodore Winthrop Weston	*New York City*	35 High st.
William Taylor Glidden Weymouth	*Beaufort, S. C.*	65 W.
Herbert Henry White	*New Haven*	147 Humphrey st.
Levi Olmstead Wiggins	*Newburgh, N. Y.*	525 Chapel st.
Charles Samuel Wiley	*Charleston, Ill.*	49 S. M.
Robert Bradford Williams	*Augusta, Ga.*	45 Goffe st.
Wolff Willner	*New Haven*	157 Bradley st.
George Heber Woodhull	*Baiting Hollow, N. Y.*	193 C.
George Catlin Woodruff, Jr.	*Litchfield*	123 N.
Wilfred James Worcester	*Albany, N. Y.*	116 W.

SOPHOMORES, 139

FRESHMAN CLASS

Charles Francis Adams	*Westport*	128 N.
John Charles Adams	*Oakland, Cal.*	120 York st.
Norman Ilsley Adams	*Boston, Mass.*	79 N. M.
Warren Austin Adams	*Skaneateles, N. Y.*	28 S.
Joseph Lincoln Adler	*Cincinnati, O.*	78 N. M.
Zachariah Nelson Allen	*Brooklyn, N. Y.*	25 High st.
Henry Semple Ames	*St. Louis, Mo.*	237 Orange st.
Paul Kimball Ames	*Minneapolis, Minn.*	64 Whalley av.
William Burrall Anderson	*New York City*	498 Chapel st.
Benjamin Harris Anthony	*New Bedford, Mass.*	126 N.
Robert Appleton	*New York City*	498 Chapel st.
Bartlett Arkell	*Canajoharie, N. Y.*	112 N.
Edward Sawyer Bacon	*Dover, N. H.*	77 N. M.
Charles Lukens Bailey, Jr.	*Harrisburg, Pa.*	498 Chapel st.
Irving Baldwin	*Cleveland, O.*	155 Elm st.
Harvey Brown Bashore	*West Fairview, Pa.*	55 Prospect st.
Everett Alanson Bates	*Danielsonville*	111 N.
John Beadle	*New Haven*	137 College st.
Porter Beardsley	*Auburn, N. Y.*	44 Elm st.
Daniel Doane Bidwell	*East Hartford*	120 Dwight st.
Louis Bennett Bishop	*New Haven*	215 Church st.
George Hathaway Bixby	*Los Angeles, Cal.*	129 College st.
Edward Newton Brandegee	*Berlin*	136 College st.
William Partridge Brandegee	*Elizabeth, N. J.*	127 Crown st.
Samuel Kimball Bremner	*Boxford, Mass.*	44 Elm st.
William Sinclair Brigham	*Savannah, Ga.*	489 Chapel st.
Joseph Sharswood Brinton	*Philadelphia, Pa.*	192 York st.
Cornelius Gardner Bristol	*Milford*	150 Grove st.
Ellis Henry Roberts Brooks	*New York City*	166 York st.
William Adams Brown	*New York City*	252 York st.
Carl Darling Buck	*Bucksport, Me.*	15 Home pl.
Wilson Lee Cannon, Jr.	*Dover, Del.*	38 High st.
William White Capron	*Albany, N. Y.*	238 York st.
Schuyler Casemate Carlton	*Cleveland, O.*	133 College st.
George Elias Carter	*Chicopee Falls, Mass.*	109 High st.
Theophilus Ransom Carter	*Erie, Pa.*	36 High st.
Lawrence William Churchill	*Oswego, N. Y.*	80 N. M.
Charles Franklin Clarke	*Columbia*	157 Orange st.
Charles Nelson Codding	*Collinsville*	41 High st.
Austen Colgate	*Orange, N. J.*	252 York st.
James Moffatt Condit	*Indianapolis, Ind.*	65 York sq.
Michael Francis Connor	*Chicopee, Mass.*	29 Foote st.
Francis Rexford Cooley	*Hartford*	114 College st.
John Joseph Corkery	*Norwich*	159 George st.

Gibbons Gray Cornwell	*West Chester, Pa.*	189 George st.
Alfred Cowles, Jr.	*Chicago, Ill.*	200 York st.
Stanford Tappan Crapo	*New Bedford, Mass.*	126 N.
Thomas Darling	*Wilkes Barre, Pa.*	36 High st.
Benjamin Joseph Davis	*New Haven*	285 Orange st.
Thomas Mills Day, Jr.	*Hartford*	120 Crown st.
Calvin Dickey	*Cincinnati, O.*	78 N. M.
Thomas Frank Dougherty	*Waterbury*	106 Crown st.
Hugh Kirkman Drouillard	*Nashville, Tenn.*	133 College st.
Judson Shultz Dutcher	*Ellenville, N. Y.*	111 N.
Oliver Dyer, Jr.	*Mount Vernon, N. Y.*	125 Dwight st.
Percy Edgar	*New York City*	166 York st.
George Edwin Eliot, Jr.	*Clinton*	127 N.
Abraham Lincoln Fellows	*Norwich*	95 N. M.
George Otis Fellows	*Norwich*	95 N. M.
Henry Flarsheim	*St. Joseph, Mo.*	104 Howe st.
Richard Thomas Francke	*New York City*	109 High st.
William Morgan Gallup	*Norwich*	93 N. M.
Arthur Goebel	*Covington, Ky.*	25 High st.
Nicholas Minor Goodlett, Jr.	*Evansville, Ind.*	161 Temple st.
Chauncey William Goodrich	*New Haven*	87 Trumbull st.
William Burton Goodwin	*Biddeford, Me.*	80 N. M.
Willis Horace Goodyear	*Hamden*	86 Park st.
Charles Eugene Grant	*Chicago, Ill.*	184 York st.
Louis Moen Grant	*Chicago, Ill.*	184 York st.
Walter Greenwood Graves	*New Haven*	101 Grove st.
John King Griffith	*Cynthiana, Ky.*	121 York st.
Charles Jared Griggs	*Waterbury*	128 High st.
George Henry Guernsey	*Easton*	300 Elm st.
Edwin Trowbridge Hall	*Binghamton, N. Y.*	72 High st.
Lewis Birely Hamilton	*Waterbury*	74 Howe st.
Henry Earl Hard	*Chicago, Ill.*	125 N.
Henry Mills Harding	*Wilkes Barre, Pa.*	36 High st.
Charles Edward Hellier	*Bangor, Me.*	15 Home pl.
William Pirtle Herod	*Indianapolis, Ind.*	65 York sq.
Ralph Hickox	*New York City*	133 College st.
Edward Avery Hine	*Newark, N. J.*	105 Wall st.
Albert Holcomb	*Conway, Mass.*	66 Howe st.
Henry Ewing Hord	*Indianapolis, Ind.*	96 N. M.
Frederick Buell Hungerford	*Burlington, Vt.*	109 Wall st.
Charles Livingston Hyde	*Plainfield, N. J.*	127 Crown st.
Henry Ivison, Jr.	*Rutherford, N. J.*	161 York st.
Herbert Armstrong Jaggard	*Altoona, Pa.*	158 York st.
Charles Henry Jeffras	*Cincinnati, O.*	254 York st.
Frank Harrison Kelley, Jr.	*Worcester, Mass.*	65 York sq.
Edward Russell Kellogg	*San Francisco, Cal.*	120 York st.
Wallace Percy Knapp	*New York City*	219 York st.
Paul Augustine Kunkel	*Harrisburg, Pa.*	167 Temple st.

David Denison Lambert	*New Haven*	163 Bradley st.
Elliot Cowdin Lambert	*New York City*	90 High st.
Edward Bowman Leaf	*Birdsboro, Pa.*	489 Chapel st.
Dudley Leavitt	*West Stockbridge, Mass.*	128 N.
James Wright Lee, Jr.	*Cleveland, O.*	155 Elm st.
William Leland	*Cleveland, O.*	59 W.
Charlton Miner Lewis	*New York City*	125 High st.
Walter Hale Little	*Newbury, Mass.*	79 N. M.
William Howard Ludington	*New York City*	252 York st.
William McElroy	*Albany, N. Y.*	238 York st.
Charles Hale Matthews	*Chicago, Ill.*	65 York sq.
Charles Putnam Merrill	*Portland, Me.*	65 York sq.
Daniel Agnew Moore	*St. Louis, Mo.*	237 Orange st.
Frederick Wightman Moore	*New London*	41 High st.
Edward Broadbent Morgan	*Denver, Col.*	192 York st.
Charles Rockwell Morley	*Cleveland, O.*	41 Trumbull st.
George Rudolf Mosle	*New York City*	72 High st.
Henry Townsend Nason	*Troy, N. Y.*	112 N.
Charles Frederick Odell	*Tarrytown, N. Y.*	128 N.
William Augustus Otis	*Cleveland, O.*	155 Elm st.
John Henry Painter	*Kittanning, Pa.*	65 Olive st.
William Henry Parks	*Clinton*	29 High st.
Edward Wright Peet	*West Haven*	94 N. M.
Frank George Peters	*Syracuse, N. Y.*	77 N. M.
Harry William Petrikin	*Huntingdon, Pa.*	36 High st.
Edward Johnson Phelps	*Andover, Mass.*	74 High st.
Sheffield Phelps	*Englewood, N. J.*	74 High st.
Charles Wheeler Pierson	*Florida, N. Y.*	120 Dwight st.
John Leslie Russel Pratt	*Kansas City, Mo.*	55 Trumbull st.
Gurdon Mumford Ransom	*New York City*	72 High st.
Robert Latimer Redfield	*New York City*	166 York st.
Edward Winthrop Reid	*Lakeville*	74 High st.
Arleigh Dygert Richardson	*Ilion, N. Y.*	192 York st.
John Frederic Roache	*North Andover, Mass.*	109 N.
William Alfred Robbins	*Key Port, N. J.*	133 College st.
Henry Thayer Safford	*Andover, Mass.*	252 York st.
John Christopher Schwab	*Fordham Heights, N. Y.*	295 York st.
Samuel Washington Scott	*New Haven*	107 Dwight st.
Thomas Blythe Scott, Jr.	*Merrill, Wisc.*	154 Grove st.
Edward Blake Seely	*Tarrytown, N. Y.*	77 Elm st.
Fred Norris Sewall	*Bath, Me.*	127 N.
Henry Dusenbury Shelden	*Detroit, Mich.*	44 High st.
Arthur Leffingwell Shipman	*Hartford*	114 College st.
Edward Colhoun Smith	*St. Joseph, Mo.*	192 York st.
Edward Lincoln Smith	*Montpelier, Vt.*	93 N. M.
Floyd Robinson Smith	*Jersey City, N. J.*	71 N. M.
Frank DeWitt Smith	*Chicago, Ill.*	61 Prospect st
George Clark Smith	*Newburgh, N. Y.*	167 Temple st.

Frank Asher Southworth	*Philadelphia, Pa.*	169 Whalley av.
William Cromwell Sprague	*Ogdensburg, N. Y.*	158 York st.
Walter Gay Stebbins	*Springfield, Mass.*	35 High st.
Philip Battell Stewart	*Middlebury, Vt.*	74 High st.
Edgar Crane Stiles	*Hartford*	94 N. M.
William Martin Strauss	*Poughkeepsie, N. Y.*	524 Chapel st.
Sylvester Howe Taylor	*Washington, D. C.*	70 Howe st.
Elford Parry Trowbridge	*New Haven*	221 Church st.
Frederick Cumings Truslow	*Brooklyn, N. Y.*	219 York st.
Rollin Usher Tyler	*Tylerville*	136 Crown st.
James Palmer Waring	*New York City*	31 Temple st.
Henry Stephens Washington	*Navesink, N. J.*	114 Chapel st.
Thomas Glasby Waterman	*Detroit, Mich.*	159 Temple st.
John Whitmore	*New Haven*	147 Bradley st.
Frank Urquhart Wilcox	*New Haven*	46 York sq.
Charles Rothchild Williams	*New Haven*	135 Grand st.
Frank Edward Wing	*Conway, Mass.*	55 W.
Dudley Winston	*Chicago, Ill.*	155 Elm st.
Frederick James Winston	*New York City*	120 York st.
Evans Woollen	*Indianapolis, Ind.*	96 N. M.
Roger Sherman Wotkyns	*Chicago, Ill.*	155 Elm st.
Richard Horner Wyeth	*Philadelphia, Pa.*	254 York st.
George Hurlbut Young	*New York City*	498 Chapel st.

FRESHMEN, 163

SHEFFIELD SCIENTIFIC SCHOOL

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ALTON W. LEIGHTON, M.D.
WILLIAM H. TREADWELL, JR., PH.D.
HAROLD B. NYE, B.A.
LOUIS V. PIRSSON, PH.B.

GRADUATE STUDENTS

Frank Frost Abbott, B.A.	*Redding*	158 York st.
Henry Jonathan Biddle, PH.B.	*Philadelphia, Pa.*	128 High st.
Frederick Casper, PH.B.	*West Meriden*	West Meriden
Edward Holyoke Farrington, B.S. State College, Me.	*Portland, Me.*	14 Lock st.
Herbert Waldron Faulkner, PH.B.	*Stamford*	53 Prospect st.
Frank Albert Kellogg, B.A.	*New Haven*	167 George st.
George Thomas Kennedy, M.A. McGill College	*Windsor, N. S.*	59 Prospect st.
Sarkis Levonian, Central Turkey College	*Aintab, Turkey*	67 Mansfield st.
Ernest Theophilus Liefeld, PH.B.	*New Haven*	36 Orchard st.
Wilber McBride, B.A.	*Goshen, N. Y.*	116 College st.
Marcus Daty Munn, PH.B.	*Southington*	16 S. H.
Harold Bayless Nye, B.A. Marietta College	*Marietta, O.*	91 W.
Samuel Lucius Penfield, PH.B.	*Catskill, N. Y.*	14 S. H.
Thomas Burr Osborne, B.A.	*New Haven*	156 Crown st.
Louis Valentine Pirsson, PH.B.	*New York City*	53 Prospect st.
Charles Locke Scudder, B.A.	*Great Barrington, Mass.*	4 Library st.
Edward Vernon Silver, B.A.	*Brooklyn, N. Y.*	523 Chapel st.
Elliott Joseph Stoddard, LL.B. Columbia College	*New Haven*	157 Church st.
Franklin Eldred Worcester, B.A.	*Albany, N. Y.*	60 W.

GRADUATE STUDENTS, 19

NOTE.—These names have been already given in the list of Graduate Students on page 23.

SENIOR CLASS

Paul Whitin Abbott	*New Haven*	257 Church st.
John Alpheus Allen	*New Haven*	197 Temple st.
Benjamin Safford Barrows	*Hartford*	163 Temple st.
George Andrew Barrows	*Philadelphia, Pa.*	43 College st.
John Bartholomew	*Guilford*	17 Wooster pl.
Frederic Robinson Bartlett	*Freeport, Ill.*	36 Elm st.
Frederick Elijah Beach	*New Haven*	44 Lyon st.
Frederick Truman Bradley	*New Haven*	142 Orange st.
Charles Parker Breese	*Meriden*	489 Chapel st.
Charles Sumner Brown	*East Hampton*	61 Prospect st.
Charles Milo Carpenter	*Madison, Wisc.*	36 Elm st.
Horace Raymond Carpenter	*Afton, N. Y.*	60 w.
Samuel Myron Chase	*Chicago, Ill.*	109 York st.
Harry Nelson Covell	*Stamford*	43 College st.
Wayne Darlington	*West Chester, Pa.*	55 Trumbull st.
Edward Bradford Dench	*Bridgeport*	67 Mansfield st.
Henry Kelsey Devereux	*Cleveland, O.*	43 College st.
Robert Ogden DuBois	*New Haven*	328 Howard av.
Edward Peers Eastwick, Jr.	*New York City*	36 Elm st.
Horatio Southworth Frazer	*Holyoke, Mass.*	77 w.
Charles Lockwood Gold	*West Cornwall*	49 Grove st.
Charles Stewart Hall	*Warren, O.*	36 Elm st.
George Vance Harper	*Denver, Col.*	41 Trumbull st.
William Harper	*Shippensburg, Pa.*	163 Temple st.
Allen Hubbard	*Westfield, Mass.*	61 Prospect st.
John Elmer Lockwood	*Stamford*	146 Dixwell av.
William Ellison Lockwood	*Stamford*	146 Dixwell av.
James Lyman	*Middlefield*	109 Wall st.
John Edmund Newell	*Chicago, Ill.*	88 w.
Henry Curtis Nutt, Jr.	*Boston, Mass.*	36 Elm st.
George Shipman Payson	*Chicago, Ill.*	76 w.
Edward Wells Penfield	*Chicago, Ill.*	109 Elm st.
James Edward Pope, Jr.	*Jersey City, N. J.*	61 w.
David Murdoch Pratt	*Elmira, N. Y.*	36 Elm st.
Willie Sherman Randall	*Birmingham*	159 Temple st.
Albert William Robert	*New York City*	36 Elm st.
Joseph Warren Rogers, Jr.	*Scarborough, N. Y.*	137 College st.
Charles Lansing Sayre	*Utica, N. Y.*	43 College st.
Horace Lee Simpson	*Pensacola, Fla.*	146 College st.
Ebenezer Hubbard Skinner	*Escambia, Fla.*	146 College st.
Joseph Allen Skinner	*Holyoke, Mass.*	109 Elm st.
Edward Irving Stone	*Bethlehem*	159 Temple st.
John Edwards Stryker	*Catskill, N. Y.*	77 w.
Chuan Lok Wing	*China*	167 Temple st.
Alonzo Felton Wood, Jr.	*West Haven*	77 George st.
Alexander Wurts	*New Haven*	65 Whitney av.
Robert Hawthorne Wylie	*Chester, S. C.*	55 Trumbull st.

JUNIOR CLASS

Gustavo Alfonso	*New York City*	36 Elm st.
Elwood Harvey Allcutt	*Kansas City, Mo.*	55 Trumbull st.
Theodore Davenport Bacon	*Norwich*	53 Prospect st.
Lawrence Vincent Benét	*Washington, D. C.*	106 w.
Edward Blake	*New Haven*	149 Temple st.
Charles Francis Bosworth	*Milford*	387 York st.
Clarence Russell Britton	*Cleveland, O.*	36 Elm st.
Chauncey Rea Burr	*Portland, Me.*	63 Prospect st.
Albert Park Campbell	*New Haven*	16 York sq.
Herbert DeWitt Carrington	*New Haven*	527 Chapel st.
James Edward Carter	*New Haven*	121 Elm st.
William Brainard Coit	*New London*	36 Elm st.
Clifford Lawrence Colton	*Canton*	215 York st.
Louis Edward Cooper	*Ansonia*	347 York st.
George Wyckoff Cummins	*Vienna, N. Y.*	347 York st.
Charles Percival Farquhar	*York, Pa.*	289 York st.
Arthur Bixby Ferguson	*New Haven*	30 Crown st.
Davenport Galbraith	*Erie, Pa.*	36 Elm st.
Morgan Augustus Guinnip	*Elmira, N. Y.*	136 Crown st.
Pelham Hague	*Tidioute, Pa.*	285 York st.
Calvin Linsley Harrison	*New Haven*	94 Wooster st.
John Bell Hatcher	*Cooper, Iowa*	12 Elm st.
Samuel Brown Hawley	*Yonkers, N. Y.*	43 College st.
Edwin Musser Herr	*Denver, Col.*	289 York st.
James Henry Jennings	*Redding*	215 York st.
Thomas Crossley Johnson	*New Haven*	80 LaFayette st.
Edson Keith, Jr.	*Chicago, Ill.*	200 York st.
Duane Judson Kelsey	*Killingworth*	29 High st.
Henry Hall Keyes	*Stony Creek*	276 Elm st.
Charles Merriam Kirkham	*Springfield, Mass.*	94 Grove st.
Albert Lucas	*Philadelphia, Pa.*	43 College st.
William Heath Lyon, Jr.	*Brooklyn, N. Y.*	76 w.
James Minor Maghee	*Evansville, Ind.*	63 Prospect st.
Luther James Martin	*Norwich*	361 Elm st.
Seyton Howard Martin	*Clifton, N. Y.*	85 w.
George Edgar Moulthrop	*New Haven*	253 North Front st.
William Wallace Nichols	*Manitou Springs, Col.*	289 York st.
Albert Anderson Noye	*Buffalo, N. Y.*	99 Wall st.
Herbert Lincoln Noyes	*New Haven*	74 High st.
Joseph Powell, Jr.	*Towanda, Pa.*	43 College st.
George Simon Roberts	*New York City*	101 w.
Walter Allen Sadd	*South Windsor*	159 Temple st.
William Godfrey Sage	*Chicago, Ill.*	63 Prospect st.
Russell Sargent	*New Haven*	51 Elm st.

Clarence Wellington Sheldon	*Brooklyn, N. Y.*	133 College st.
William Tuttle Shepard	*Bristol*	215 York st.
John Prentice Terry	*Brooklyn, N. Y.*	157 Orange st.
Chester Thorne	*Millbrook, N. Y.*	55 Trumbull st.
Thomas Rutherford Trowbridge, 3d	*New Haven*	41 College st.
James Henry Warner	*Steubenville, O.*	Prospect st.
Elmore Abram Willets	*Belmont, N. Y.*	44 Elm st.
Edward Simpson Wilson	*New York City*	101 w.
Andrew Lincoln Winton	*Bridgeport*	63 Prospect st.

JUNIORS, 53

FRESHMAN CLASS

Arthur Bronson Adams	*New Haven*	120 St. John st.
Grenville French Allen	*New Haven*	197 Temple st.
Philip VanWyck Anderson	*Sing Sing, N. Y.*	82 Wall st.
James Arthur Atwood	*Wauregan*	167 Temple st.
John Walter Atwood	*Wauregan*	167 Temple st.
John Frank Babcock	*Elmira, N. Y.*	31 Temple st.
Rodney Fisher Bates	*New York City*	103 Wall st.
Paul Daily Bernard	*Brooklyn, N. Y.*	133 College st.
Clarence Blakeslee	*New Haven*	316 George st.
Robert Neill Brace	*Dobbs Ferry, N. Y.*	165 Temple st.
George Tyler Brown	*Yonkers, N. Y.*	31 Temple st.
Fred Spencer Bullene	*Kansas City, Mo.*	44 Elm st.
Richard Morton Bushnell, Jr.	*Saybrook*	17 Wooster pl.
Merritt Mead Clark	*Bedford, N. Y.*	177 Temple st.
Wallace Sherman Clark	*Norfolk, Va.*	226 George st.
Arthur Chandler Coates	*Kansas City, Mo.*	40 Elm st.
Arthur Carrington Cowles	*Wallingford*	136 College st.
William Ledlie Culbert	*Brooklyn, N. Y.*	134 College st.
Hammond Jeremiah Dutton	*Hillsboro Bridge, N. H.*	109 High st.
Martin Juan Echeverria	*Panama, Colombia*	17 Wooster pl.
John Joseph Flather	*Bridgeport*	67 Mansfield st.
William Holt Gale	*New York City*	109 Elm st.
Harry Brainard Gaylord	*New Haven*	40 Academy st.
Irving Cook Gladwin	*Sherburne, N. Y.*	74 High st.
James Richard Godman	*La Fayette, Ind.*	31 Temple st.
Jacob Phillip Goodhart	*New Haven*	107 Court st.
Charles Lord Griffith	*San Francisco, Cal.*	489 Chapel st.
John Venable Hanna	*Kansas City, Mo.*	165 Temple st.
James H. Hepburn	*Jersey Shore, Pa.*	103 Wall st.
John Ethan Hill	*Mystic Bridge*	295 York st.

David Leavitt Hough	*Fort Wayne, Ind.*	111 York st.
Marvin D. Hubbell	*New York City*	94 York sq.
Percy Jackson	*Belleville, N. J.*	109 York st.
Edwin Young Judd	*Hartford*	7 Library st.
Amos William Kimball	*Portland, Oregon*	161 Temple st.
Harry D. Kohn	*Chicago, Ill.*	696 State st.
Ira Lamb	*Franklin*	157 Orange st.
Percy Lyford Lang	*Elmira, N. Y.*	161 Temple st.
Charles Pond McAvoy	*Chicago, Ill.*	242 York st.
Charles Dickerman McCandliss	*Philadelphia, Pa.*	119 College st.
William Adair McDowell	*Woodlake, Ky.*	203 York st.
Daniel William Maher	*New Haven*	305 Howard av.
Daniel Delevan Mangam, Jr.	*Sing Sing, N. Y.*	44 Elm st.
William Edward Martin	*Allentown, Pa.*	167 Temple st.
Edwin Alexander Meredith	*Xenia, O.*	55 Prospect st.
Deane Miller	*New Rochelle, N. Y.*	226 George st.
Herbert Lincoln Mitchell	*New Haven*	121 Park st.
Henry Moorhead Montgomery	*Portland, Oregon*	36 Elm st.
James Jacob Morgan	*New Haven*	470 Elm st.
William Alpheus Nettleton	*Kansas City, Mo.*	44 Elm st.
Truman Handy Newberry	*Detroit, Mich.*	464 Chapel st.
Herbert Beecher Nichols	*Yonkers, N. Y.*	31 Temple st.
Isaac Norris, 3d	*Philadelphia, Pa.*	74 High st.
George Washington Norton, Jr.	*Louisville, Ky.*	237 Orange st.
Henry Oliver	*Pittsburgh, Pa.*	31 Trumbull st.
John Cunningham Oliver	*Pittsburgh, Pa.*	31 Trumbull st.
Abbott Chandler Page	*Fair Haven*	South Quinnipiac st.
Willis LaFayette Perkins	*Portland, Me.*	A.
Royal Watson Pinney	*Derby*	167 Temple st.
Daniel Tuthill Pratt	*Elmira, N. Y.*	31 Temple st.
Sidney Armour Reeve	*Dayton, O.*	61 Grove st.
Willard Crawford Reid	*Lakeville*	74 High st.
John Rice	*Pottstown, Pa.*	489 Chapel st.
Charles Thomas Richardson	*Hornellsville, N. Y.*	44 Elm st.
William Todd Ross	*Belfast, Me.*	53 Prospect st.
Charles Gideon Rupert	*New Market, Va.*	111 Dwight st.
Frank Elbert Sands	*New Haven*	119 Dwight st.
Louis Milton Schmidt	*New Britain*	59 Grove st.
James Alward Seymour	*Auburn, N. Y.*	44 Elm st.
Murray Shipley, Jr.	*Cincinnati, O.*	109 Elm st.
Joseph Godfrey Snydacker	*Chicago, Ill.*	696 State st.
Frank Jerome Stevens	*New Haven*	7 Wooster pl.
William VanSchoonhoven Thorne	*New York City*	65 Whitney av.
Henry Lee Townsend	*New York City*	82 Wall st.
Curtiss Chauncey Turner	*Omaha, Nebr.*	156 Grove st.
George Elliot Verrill	*New Haven*	148 College st.
Frederick Brewster Wheeler	*Monroe*	175 Temple st.
Henry Howard Whitehouse	*Hartford*	167 Temple st.

Willis Stoughton Williams	*Minneapolis, Minn.*	121 Park st.
Winslow Tracy Williams	*Norwich*	134 College st.
Clarence Henry Wood	*Morristown, N. J.*	120 York st.
Benjamin Elizur Wright	*Cromwell*	165 Temple st.

FRESHMEN, 81

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

George Barclay Bassett	*Watertown, N. Y.*	4 Mansfield st.
John Edward Calhoun	*Cornwall*	450 Chapel st.
Edward Seymour Hotchkiss	*Bridgeport*	Bridgeport
Henry Clay Johnson	*Rome, Ga.*	41 High st.
Warren A. Spalding	*New Haven*	89 Church st.
James Prior Wood	*West Haven*	2 Church st.

SPECIAL STUDENTS, 6

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JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*
FREDERIC T. LANGZETTEL, *Librarian*

STUDENTS

Maud A. Allen	*New Haven*
Emma H. Bacon	*New Haven*
Emma C. Banks	*New Haven*
M. Ona Banks	*New Haven*
Annie M. Barlow	*New Haven*
Emil Baumgarten	*New York City*
George F. Bosworth, PH.B.	*Milford*
Lucy A. Bradner	*New Haven*
Fannie C. Burr	*Monroe*
Elmira L. Candee	*Bridgeport*
Julia I. Coe	*New Haven*
Mary W. Curtis	*New Haven*
Sarah J. Deshon	*Meriden*
Sarah W. Foote	*New Haven*
Sarah D. Gardiner	*New Haven*
Margaret P. Gay	*Farmington*
Jessie C. Harger	*New Haven*
Eiiza J. Harrison	*New Haven*
Emma H. Hill	*New Haven*
Mary E. Hobson	*Wallingford*
William H. Jackson	*New Haven*
Louise R. Jewett	*Buffalo, N. Y.*
William H. Jewett	*New Haven*
Annie S. Johnson	*Fair Haven*
Elizabeth U. Kingsley	*New Haven*

Caroline Lindsley	*New Haven*
Henry E. Manning	*Fair Haven*
Rebecca M. Mitchell	*New Haven*
Elizabeth S. Newberry	*New Haven*
Jane C. Newton	*Norwich, N. Y.*
Helen Oakford	*New Haven*
Katherine B. Park	*New Haven*
Elizabeth S. Pitman	*Wallingford*
Mary R. Prescott	*New Haven*
Eleanor R. Silliman	*New Haven*
Albert E. Smith	*Waterbury*
Matilda B. Stoeckel	*New Haven*
Mary L. Thorn	*New Haven*
Walter E. Vaill	*Litchfield*
Ethel C. Walker	*New Haven*

Also, 82 students from the Sheffield Scientific School.

NOTE.—The Art Optional, for members of the Senior class of the Academical Department, does not begin until after the winter vacation, consequently the number of students in that class is undetermined.

SUMMARY OF STUDENTS

DEPARTMENT OF THEOLOGY		106
DEPARTMENT OF MEDICINE		30
DEPARTMENT OF LAW		85
DEPARTMENT OF PHILOSOPHY AND THE ARTS:		
GRADUATE INSTRUCTION	41	
UNDERGRADUATE ACADEMICAL DEPARTMENT	611	
SHEFFIELD SCIENTIFIC SCHOOL	206	
SCHOOL OF THE FINE ARTS	40	
		898
		1119
Deduct for names inserted twice		23
TOTAL		1096

GENERAL STATEMENT

The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each having a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will

in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER: Politics and Finance in the History of the United States; Political Economy.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris;* German text-books of Roman Law.

3. Philological Science; Literature:

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Archæology.

Dr. J. H. TRUMBULL: the American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general Principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor PACKARD and Professor SEYMOUR; critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. Mathematics:

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. Physics; Chemistry; Astronomy:

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor NORTON: Spherical Astronomy.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Dr. WALDO: the Theory and Practice of Micrometry; Practical Thermometry.

6. Geology; Natural History:

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. Applied Science:

Professor NORTON: Applied Mechanics.

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor DUBOIS: Dynamical Engineering.

8. Fine Arts:

For the instruction open to Graduates in the School of the Fine Arts, see page 74.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show, at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of the following June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and make the requisite drawings and calculations. The fee for graduation is five dollars.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

Latin Grammar.

Cæsar—four books of the Gallic war, or two books of the Civil war.

Cicero—seven Orations.

Vergil—Bucolics, and first six books of the Æneid, including Prosody.

Ovid—Metamorphoses, 2500 lines.

The translation, at sight, of passages from Cicero or Cæsar.

The translation into Latin of a connected passage of English Prose. [As special importance will be given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]

Roman History—Creighton's Primer of Roman History is suggested, as indicating the amount required.

Greek Grammar.

The translation of English into Greek.

Xenophon—Anabasis, four books.

Homer—Iliad, three books, with Prosody.

The translation, at sight, of a passage from some work of Xenophon.

Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

Higher Arithmetic—including the metric system of weights and measures.

Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.

Euclid—first two books, or the whole of Plane Geometry in any other text-book. The candidate must be prepared to draw the figures for the demonstration of propositions.

Candidates will be allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examination of the first year, for examination in not more than ten (in which number the translation at sight of Latin and Greek must not be included) of the above subjects, and must be accepted on at least six in order to receive any certificate.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on the Thursday, Friday, and Saturday after Commencement (June 28, 29, 30, 1883); *attendance is required at the opening of the examination, at* 9 A. M. *on Tuesday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1883 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 28, at 9 A. M.), at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars will be charged for admission to examinations outside of New Haven.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 11, 12, 1883); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, examinations for admission to the next Freshman Class can only be held at the times above specified.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 49.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS — Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by the parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms. The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's Odyssey, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Phillips and Beebe's Graphic Algebra; Todhunter's Euclid, books 3 and 4; Chauvenet's Geometry, books 3, 4, 5. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's Odyssey, continued through five books; Herodotus, one book; Boise's Exercises in Greek Syntax (to page 85). *Latin*—Livy continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry; Richards's Plane Trigonometry, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics*—Richards's Plane Trigonometry, Mensuration, Surveying and Navigation. *Rhetoric*—Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Richards's Spherical Trigonometry; Loomis's Analytical Geometry; Dana's Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies *(Latin, Greek, Mathematics, French, Italian, English)* see below.

SECOND TERM.—*Physics*—Ganot's Physics. Lectures. *Rhetoric*—Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Astronomy*—Loomis's Astronomy. *History*—Doyle's United States. *Logic*—Jevons's Logic.

For optional studies *(Latin, Greek, Mathematics, French, Italian, English, Anglo-Saxon, Zoology, Botany)* see below.

SENIOR YEAR:

FIRST TERM.—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Moral Philosophy*—Butler's Sermons; Hopkins' Law of Love. *Geology*—Dana's Geology. *Political Science*—Mill's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies *(Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Meteorology, Mineralogy, European History)* see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Mental Philosophy*—Porter's Intellect, continued. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *Common Law of England and American Constitutional Law*—Recitations and Lectures.

For optional studies *(Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Astronomy, Geology, International Law, Political Science, Fine Arts)* see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional whenever one is begun. In case an optional is withdrawn before the end of a year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. A student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY:

1. ANCIENT LANGUAGES: (*a*) GREEK, through Junior and Senior years, four exercises a week, with Professor Packard. (*b*) LATIN, through Junior and Senior years, with Professors Thacher and Peck, four exercises a week. (*c*) LATIN and GREEK, two exercises a week in each, through Junior and

Senior years, with Professors Thacher, Packard, and Peck. (*d*) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (*a*) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition and Literature, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Keetels' Elementary French Grammar, entire, including the irregular verbs. (*b*) SPANISH, through Senior year, four exercises a week, with Professor Knapp, Grammar and Exercises, with special reference to commercial correspondence and conversation, together with prose readings in living authors, and subsequently readings in Cervantes, Lope de Vega, and Calderon. (*c*) ITALIAN, through Junior and Senior years, four exercises a week, with Mr. Bendelari; in Junior year, Grammar, Composition, modern Italian prose; in Senior year, Composition, the classical literature, Dante. (*d*) GERMAN, through the first term and the first half of the second term of Senior year, four exercises a week, and through the remainder of the year, two exercises a week, with Mr. Hadley; Schiller's Wilhelm Tell, Goethe's Faust, scientific and controversial German of the present day. (*e*) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's Anglo-Saxon Reader. (*f*) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspere, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS. Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II. MENTAL AND MORAL PHILOSOPHY:

With President Porter and Professor Ladd, through the second term of Senior year, two exercises a week.

III. HISTORY AND POLITICAL SCIENCE:

1. HISTORY OF EUROPE, since 1815, through the first term of Senior year, with Professor Wheeler, four exercises a week, and during the remainder of the year two exercises a week; Fyffe's History of Modern Europe.

History of England to 1485, through the first term, four exercises a week; Bright's History of England, vol. i; Stubbs' Constitutional History of England.

2. INTERNATIONAL LAW, through the second half of the second term of Senior year, with Professor Phelps, two exercises a week.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV. MATHEMATICS AND ASTRONOMY:

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the second term of Senior year, two exercises a week, with Professor Loomis; Loomis's Practical Astronomy.

V. MOLECULAR AND TERRESTRIAL PHYSICS:

1. PHYSICS, with practical exercises, through the second term of Senior year, twice a week, with Professor A. W. Wright.

2. METEOROLOGY, through the first term of Senior year, with Professor Loomis, four exercises a week; Loomis's Meteorology.

3. VECTOR ANALYSIS, with applications to Mechanics and Physics, through the first term of Senior year, four exercises a week, with Professor Gibbs.

4. THERMODYNAMICS, through the second term of Senior year, two exercises a week, with Professor Gibbs.

VI. NATURAL SCIENCE AND GEOLOGY:

1. GEOLOGY, through the second term of Senior year, with Professor J. D. Dana, two exercises a week; Dana's Manual.

2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor E. S. Dana, four exercises a week; Dana's Text-Book.

3. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

4. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Dr. J. K. Thacher.

VII. FINE ARTS:

Four exercises a week, through the second term of Senior year, under Professor Niemeyer, in Drawing, and Professor Hoppin, in the History of Art. The usual fees in the School of the Fine Arts ($18 for three months) are payable.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins eleven weeks from the day after Commencement-day and continues fourteen weeks; the

second term begins on the second Thursday in January and continues until Commencement-day, with a spring recess—usually of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading of the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition and incidentals is $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College

on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is about five dollars.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from $25 to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:—

Treasurer's bill (according to location of room) from	$160 to	$220
Board, 37 weeks,	130 to	260
Fuel, lights, and washing,	30 to	60
Use of text-books and furniture,	30 to	60
Total,	$350	$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $15,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. Over one hundred students thus have their tuition either wholly or in part remitted. Those needing such aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

Students who need to avail themselves of the use of the Benevolent Library are supplied gratuitously with many of the text-books used in the College course.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of about six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this department, of not more than three years' standing. He shall reside in New Haven, pursuing non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of about six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline

Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, yielding nearly one hundred and twenty dollars a year, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and fifteen dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE WOOLSEY SCHOLARSHIP, yielding nearly sixty dollars a year, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP. The income of each of these Scholarships is sixty dollars.

THE W. W. DEFOREST SCHOLARSHIP, yielding nearly one hundred and twenty dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he remain in New Haven the year after graduation, pursuing a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these prizes are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the whole of the current College year may compete for this prize.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 52, 49.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 40), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 50). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 51, 52.

SPECIAL STUDENTS.—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION.—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part I, and the First and Second Latin Books of the Ahn-Henn Latin Series (E. Steiger & Co., New York), are named as indicating the nature and extent of this requirement, and an acquaintance with one of these works will be required unless a satisfactory substitute is offered. In the last named course one-third of each exercise may, if desired, be omitted.) (2) Cæsar—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's Æneid, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in Newcomb's Trigonometry to Art. 79, or in Wheeler's or Richards's Plane Trigonometry. The Logarithmic and Trigonometric Tables furnished at the Examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such a case they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Executive Officer of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text-books of Professor Newcomb (Henry Holt & Co., New York), may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of Syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 28, 29, 30, and on Tuesday and Wednesday, September 11, 12, 1883. Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1883 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 28, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Executive Officer of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

THE COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:—

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In Select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition. *Mathematics*—Spherical Trigonometry (Newcomb's); Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's Manual. *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Drawing*—Descriptive Geometry, concluded. Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus. Rational Mechanics. *Kinematics*—General Theory of Motion and Principles of Mechanism; Elementary Combinations of Pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for Wheels; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German. French.*

SENIOR YEAR:

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structure; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-heads; Pipe connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis. French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids; Hydrometers, Manometers, Gauges, etc.; Water Pressure Engines and Water Wheels; Construction of Water Reservoirs and Conduits; Measurement of Water Supply; Discharge of pipes. *Thermodynamics*—General principles of Heat employed as a source of power; Theory of the Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines; Shearing and Pumping Engines; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy.*

(d.) IN AGRICULTURE:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany. French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany. Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY:

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Physiology*—Huxley's. Practical Exercises. *Theoretical Chemistry*—continued. *Physiological Chemistry*—Sanderson's Handbook; Recitations and Laboratory Work. *Mineralogy*—continued. *Botany*—Lectures; Practical Exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—continued. *Toxicology*—Laboratory Practice and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French.*

SECOND TERM—*Comparative Anatomy and Histology*—Laboratory Practice and Recitations. *Human Anatomy and Physiology*—Recitations. *Geology*—Dana's Mannal. *Zoology*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers, can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography*—Guyot; Lectures. *English*—Early English. *History*—Green's Short History of the English People. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Astronomy. Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Green's History, continued; History of the United States. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspere, Milton, Dryden, Pope, Gray, and later authors. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable, $55 at the beginning of the first and second terms, and $40 at the middle of the second term. The student in the Chemical course has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks,

crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For graduate students the charge for tuition is $100 per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY, are $10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 53.

DOCTOR OF PHILOSOPHY—See page 50.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. HENRY FARNAM, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections; applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline; studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions: the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions: the first is

devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

AN ART OPTIONAL, for undergraduate Academical students of the Senior class, is continued from January 1 to June 1, consisting of four exercises of two and a half hours each, per week, in Drawing, with a weekly lecture on the History of Art.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeleton; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture.

III. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

Second Division:

DRAWING—casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies of details in various styles; projects—dwelling-houses, stores, public-buildings, etc.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is $36.00 for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries: the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The Collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on Mental Philosophy with special reference to the study of Theology; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR:

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of Sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

GRADUATE CLASS—FOURTH YEAR:

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and University libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class or portions of it propose to attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Select Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: Lectures on misunderstood and misused passages of the Scriptures; Delitzsch's Hebrew New Testament compared with the Revised English Version; Shakespeare's Othello in Hebrew.

III. PROFESSOR HARRIS: Examination of Dorner's "System of Christian Doctrine."

IV. PROFESSOR FISHER will read Irenæus with the class, with special attention to his expositions of Christian Doctrine and Early Traditions.

V. PROFESSOR DWIGHT: The Origin of the Synoptical Gospels: Lectures on the Revised Version of the New Testament.

VI. PROFESSOR BARBOUR: Examination of Sermons on which criticism or suggestions may be desired.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary; on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons, or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The Reference Library of the School, established through the liberality of Mr. Henry Trowbridge of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Library building recently erected, between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable Library of Church Music, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The College Library, to which the students have access without charge, contains over 100,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The Library of the College literary societies, containing about 25,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $2.50 to $4 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle, and Senior Classes, whose circumstances require it, will receive $100 a year from the income of Scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid toward the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, J. R. Beadle, David Root, Mary Goodman, Orin Fowler, Edward Bull, William S. Eakin, and Cassius Welles.

A Graduate Scholarship has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the fourth time to the class entering in September, 1882, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1882–83 began on Thursday, Sept. 14, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 13, 1883.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

DEPARTMENT OF MEDICINE

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, a Demonstrator of Anatomy, a Demonstrator of Osteology, a Lecturer on Normal Histology, a Lecturer on Chemistry, a Lecturer on Dermatology, a Lecturer on Genito-Urinary and Venereal Diseases, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, and a Lecturer on Ophthalmology.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues eleven weeks. The second term begins three weeks after the close of the first, and continues twelve weeks. The third term is eleven weeks in length, ending with Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in the Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Friday following its close.

Similar examinations will be held on the Friday after the Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of $5 will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognizd Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of these examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations four times a week, Prof. Silliman and Dr. Smith. Chemical Laboratory, four times a week, Prof. Silliman and Dr. Smith.

Anatomy: Lectures and recitations five times a week, Prof. Sanford and Assistant. Dissections four times a week from Nov. 1 to April 1, Dr. Hotchkiss. Laboratory work in Osteology, etc., once a week, Dr. Williston.

Normal Histology: Laboratory work once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Prof. Thacher.

MIDDLE YEAR:

Anatomy: Lectures and recitations, five times a week, Prof. Sanford and Assistant. Dissections, four times a week from Nov. 1 to April 1, Dr. Hotchkiss.

Materia Medica and Therapeutics: Lectures and recitations, three times a week, Prof. Lindsley.

Physiology: Lectures and recitations, twice a week, Prof. Thacher.

Pathology: Lectures and recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week. Medical Clinic, once a week. Clinic for Diseases of the Throat, once a week, Dr. Chapman.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt.

Obstetrics and Diseases of Children: Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR:

Pathology: Lectures and recitations, twice a week, Prof. White. Laboratory work, once a week, Prof. White.

Medicine: Lectures on General Medicine, three times a week. Medical Clinic, once a week. Lectures on Diseases of the Throat, once a week, Dr. Chapman. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week for nine weeks, Dr. Stearns.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Genito-Urinary and Venereal Diseases, once a week, Dr. Russell. Lectures on Dermatology, once a week, Dr. Fleischner. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children: Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women, once a week, Dr. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

In addition to the work in the dissecting room, a practical course on the bones and ligaments is conducted under the supervision of DR. WILLISTON. In this the student is furnished with specimens for study at the desk, and has thus an opportunity to become very familiar with this part of Anatomy. In connection with this course, the student will go through with the dissection of the brain, eye, and such other things as are not usually studied in the dissecting room.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY will be taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from text books are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—Three didactic lectures each week and one clinical lecture are given. At each clinical lecture the students in turn examine each patient before the class and the professor of the department, presenting his diagnostic points for criticism.

SURGERY—The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearances of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Special courses, illustrated clinically, are given on Genito-Urinary and Venereal diseases, by Dr. Russell, and by Dr. Fleischner in Dermatology. Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

MENTAL DISEASE—A course of lectures on this subject is given by HENRY P. STEARNS, M.D., Superintendent of the Hartford Retreat for the Insane.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday; a GYNÆCOLOGICAL CLINIC at 3 P. M. every Thursday; and a MEDICAL CLINIC at 3 P. M. every Friday.

CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical opera-

tions are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually. Two of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; must have spent at least one continuous year at this school and have passed the required examinations in all the studies of the three years' course.

No theses are required for graduation; but theses or monographs embodying results of original research, and of marked excellence, will be honorably mentioned, and may be commended for publication in the transactions of the Connecticut Medical Society or elsewhere.

PRIZES

THE KEESE PRIZE

The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DR. H. P. STEARNS' PRIZES

Dr. Stearns offers two special prizes: one of thirty dollars and one of twenty dollars, to be awarded to the two students of the next graduating class, who shall respectively have passed the best and the next best examinations on all branches of study.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

Before taking his degree a student must have passed all the examinations of the three years satisfactorily to the board of examiners.*

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school), . .	$5.00
Tuition Fee, for one year, ...	125.00
Graduation Fee, ...	30.00

Of the tuition fee for the year, $45 is due at the beginning of the first term, $45 at the beginning of the second term, and $35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the Treasurer of the University, except the graduation fee, which is paid to the Dean.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor C. A. LINDSLEY, DEAN.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

DEPARTMENT OF LAW

THE FACULTY OF THIS DEPARTMENT consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, a Professor of Pleading, and a Professor of International Law; Lectures are also delivered by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, and FREDERICK H. BETTS, M.A., on Patent Law.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter Term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring Term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts

as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law, Prof. Robinson; Contracts, Prof. Baldwin; General Jurisprudence, Prof. Platt; Pleading, Prof. Townsend; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Elementary Law and Real Property, Prof. Robinson; Contracts, Profs. Baldwin and Townsend; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Code Pleading, Prof. Townsend.

SPRING TERM—Recitations: Contracts, Professors Baldwin and Townsend; Torts, Prof. Platt; Mercantile Law, and Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures: English Constitutional Law, Prof. Wayland: Forensic Elocution, Mr. Bailey.

SENIOR YEAR:

FALL TERM—Recitations: Real Property and Corporations, Prof. Robinson; Equity, Prof. Platt; Contracts, Professors Baldwin and Townsend. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Contracts, Prof. Baldwin; Corporations and Real Property, Prof. Robinson; Equity, Prof. Platt. Lectures: Evidence, Prof. Phelps; American Constitutional Law, Prof. Baldwin.

SPRING TERM—Recitations: Criminal Law, and Estates, Prof. Robinson; Contracts, Prof. Townsend. Lectures: Evidence, Prof. Phelps; Roman Law, and Practice, Prof. Baldwin; Patents, Mr. Betts.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, and Washburn on Real Property; in Senior year, Parsons on Contracts, Story on Equity Jurisprudence, Potter on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop on Criminal Law and Criminal Procedure.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each Class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION—Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students" conducted under the authority of the Board of Regents of the University of the State of New York.*

* The Regents' Examinations are held at New York City and at the various Academies in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board of Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

Whilst time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801, and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557); Blackstone's Commentaries (except Book 4), Robinson's Notes on Elementary Law, Heard on Pleading, Townsend on Code Pleading, Greenleaf on Evidence, vol. i, Hawkins on Wills, Woolsey's Introduction to the Study of International Law, Cooley on Torts, Washburn on Real Property, vol. i, and Holland on Jurisprudence.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The Graduate Course occupies two years, and is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 100. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with Jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer. All students, whose means and time allow them to do so, are earnestly recommended to avail themselves of the advantages of the first year of the Graduate Course.

The arrangement of the Course is as follows:

JUNIOR YEAR:

Admiralty Law, and Patents, Prof. Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

SENIOR YEAR:

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Farnam.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoléon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the course, the preparation for which, with the collateral course of reading prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time. Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by Hon. James E. English, M.A., in 1873), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A.M. to 12.45 P.M., and from 2 to 5.45 P.M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A.M.

The students can also draw books from the general University libraries, containing over 130,000 volumes.

PRIZES are annually awarded as follows:

THE TOWNSEND PRIZE (established by Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

THE JEWELL PRIZE (established by Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior

Class who receives the highest marks at the final examination of his class, at their graduation.

THE BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School Terms.

GYMNASIUM—The College gymnasium is open to members of the Law Department on payment of moderate fees.

DEGREES—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar.

Degrees will be granted in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*, on the recommendation of the Faculty of the Law Department.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L.

Neither Degree will be conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year; and in the Graduate Course, $50 for the Fall Term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for each year; to be paid to the Treasurer of the College in advance, or secured by a bond satisfactory to him. Where payment is not made in advance, interest will be added. The diploma fee is $5. The court fees for admission to the Connecticut Bar, if this is desired, are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this also is desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from $5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY HOBART B. BIGELOW, *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the Founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about $140,000, or, with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS:

PROFESSOR CHESTER S. LYMAN, M.A., *President*
THOMAS G. BENNETT, Ph.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR HUBERT A. NEWTON, LL.D.

OFFICERS:

HUBERT A. NEWTON, *Director*
ROBERT BROWN, JR., *Secretary*
LEONARD WALDO, S.D.
ROBERT W. WILLSON, B.A.
ORRAY T. SHERMAN, B.A.

The Observatory has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin.

The Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete apparatus for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. The apparatus for an extended (automatic) public time service.

4. The apparatus for research and comparison in Thermometry, including comparators, cathetometers, and a collection of the best thermometers obtainable of the foreign makers and Observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services have been prepared for the information of persons interested, and may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VAN NAME, M.A., *Librarian*
FRANKLIN B. DEXTER, M.A., *Assistant Librarian*
J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*

THE COLLEGE LIBRARY numbers about 107,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 25,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about	107,000 vols.
Linonian and Brothers Library, about	25,000 "
Libraries of the Professional Schools, about	20,000 "
	152,000

APPENDIX

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 28, 1882

ORATIONS

BARCLAY JOHNSON, Valedictory Oration, *New York City*
FRANK FROST ABBOTT, Salutatory Oration, *Redding*
JOHN LEWIS WELLS, Philosophical Oration, *Fayetteville, N. Y.*
CHARLES BURR GRAVES, Philosophical Oration, *New London*
BENJAMIN BREWSTER, Philosophical Oration, *New Haven*

Morgan H. Beach, *Alexandria, Va.*
Julius H. Pratt, Jr., *Montclair, N. J.*
Edwin B. Cragin, *Colchester*
Charles E. Blumley, *Norwich*
Daniel S. Sanford, *Redding Ridge*
Wayland I. Bruce, *Poughkeepsie, N. Y.*

George E. Curtis, *Birmingham*
Bryan Cumming, *Augusta, Ga.*
Samuel M. Parke, *Pittston, Pa.*
Ferree Brinton, *Philadelphia, Pa.*
Bernard Titche, *Rayville, La.*
William Churchill, *New Haven*

DISSERTATIONS

Herbert S. Griggs, *St. Paul, Minn.*
Daniel B. Weaver, *Lancaster, Pa.*
Harry C. Fries, *Philadelphia, Pa.*
Chester W. Lyman, *New Haven*
John Prescott Kellogg, *Waterbury*
Franklin E. Worcester, *Albany, N. Y.*
Wilbur H. N. Ford, *Milford*
Carlton A. Foote, *New Haven*
James H. Kingman, *N. Bedford, Ms.*
Arthur S. Osborne, *New Haven*
Cyrus Bentley, Jr., *Chicago, Ill.*
Fred J. Brockway, *Hopkinton, N.H.*
James A. Campbell, *St. Louis, Mo.*
Albert H. Atterbury, *Trenton, N. J.*

DISPUTES

Asa P. French, *Braintree, Mass.*
Frank A. Kellogg, *New Haven*
Alfred B. Kittredge, *E. Jaffrey, N. H.*
Henry Clarke Jefferds, *Bangor, Me.*
George W. Lay, *Easton, Md.*
Joseph E. Whitney, *Cornwall*
John F. Beede, *Meredith, N. H.*
Henry B. Platt, *Owego, N. Y.*

Harry C. McKnight, *Ellington*
Wilber McBride, *Goshen, N. Y.*
Frank E. Page, *Bath, Me.*
Walter Murphy, *Philadelphia, Pa.*
Martin Welles, *Newington*
Harry R. Baltz, *Philadelphia, Pa.*
George S. Boltwood, *New Haven*
Chas. L. Scudder, *Gt. Barrington, Ms.*
Charles B. Storrs, *New York City*
John Rossiter, *North Guilford*
Henry S. Snyder, *Philadelphia, Pa.*
John R. Hanlon, *Pennington, N. J.*

COLLOQUIES

Robert M. Rolfe, *Auburn, Me.*
Clarence A. Smith, *Birmingham*
Robert P. Bates, *Bennington, Vt.*
Seymour C. Loomis, *Suffield*
Charles N. Morris, *West Hartford*
Benj. Huger Rutledge, *Charleston, S.C.*
Howard P. Sweetser, *New York City*
George H. Graves, *New Haven*
Josiah C. Palmer, *Brooklyn, N. Y.*
William S. Pardee, *New Haven*
Edward O. Weed, *New York City*
Chas. A. Wight, *N. Hatfield, Mass.*
Howard H. Knapp, *South Norwalk*

Edward V. Silver, *Brooklyn, N. Y.*
Arthur Scranton, *Scranton, Pa.*
Fred. Messenger Lowe, *Fitchburg, Ms.*
Lewis M. Silver, *Brooklyn, N. Y.*
Alfred C. Hand, *Honesdale, Pa.*
Nathaniel R. Bronson, *Waterbury*
Herbert L. Moodey, *Brooklyn, N. Y.*
Frank C. Farwell, *Chicago, Ill.*
Frank H. Snell, *Washington, D. C.*
Walter I. Badger, *Boston, Mass.*
Martin Lovering, *Harvard, Mass.*

The graduating class numbered one hundred and nineteen.

APPOINTMENTS FOR JUNIOR EXHIBITION

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 30, 1882.

ORATIONS

WOOLSEY CARMALT, *New York City*
STEPHEN LEONARD GEISTHARDT, *Norwich*
FREDERIC WILLIAM KELLOGG, *Red Wing, Minn.*
CHARLES MARTIN KENDALL, *Angelica, N. Y.*
ALLYN COOK LOOMIS, *Windsor*
ELIAKIM HASTINGS MOORE, *Denver, Col.*
CHARLES COLEBROOK SHERMAN, *Syracuse, N. Y.*

Edward G. Bourne, *Sharon*
Arthur E. Bowers, *North Manchester*
Austin L. Bowman, *South Windsor*
George P. Carroll, *Forestville*
Arthur B. Cornwall, *New Haven*
Everett J. Esselstyn, *Hollowville, N. Y.*
William I. Grubb, *Cincinnati, O.*
George W. Johnston, *Frankfort, Ky.*
Clifford S. Kelsey, *Bridgeport*
Carll A. Lewis, *New Haven*
Joseph McKeen Lewis, *New York City*
Edward T. McLaughlin, *Litchfield*
William Price, *Pottstown, Pa.*
Thomas S. Southworth, *W. Springfield, Mass.*
Horace D. Taft, *Cincinnati, O.*

Richard M. Bissell, *Chicago, Ill.*
Henry E. Bourne, *Sharon*
George E. Bowman, *South Windsor*
Albert Carr, *Collinsville*
Samuel B. Childs, *East Hartford*
Charles C. Clarke, *Sing Sing, N. Y.*
Arnold G. Dana, *New Haven*
Maurice E. Dunham, *Edgartown, Mass.*
Henry E. Fisk, *Chicago, Ill.*
Victor E. Helleberg, *Cincinnati, O.*
George C. Jennings, *Cleveland, O.*
Daniel S. Knowlton, *Biddeford, Me.*
Cleveland L. Moffett, *Newton, N. J.*
Augustus T. Morgan, *Bingham'n, N. Y.*
Walter E. Nettleton, *Stockbridge, Mass.*
Samuel B. Platner, *Newark, N. J.*
David F. Read, *Bridgeport*
Linton Satterthwait, *Trenton, N. J.*
Herbert R. Smith, *Norwalk*
Sherman D. Thacher, *New Haven*
Harold Vernon, *Brooklyn, N. Y.*

DISSERTATIONS

Lucius Boltwood, *New Haven*
Henry W. Calhoun, *New York City*
Henry M. Chase, *Syracuse, N. Y.*
Robert H. Cornish, *Gillette, N. J.*
Charles Halsey, *Brooklyn, N. Y.*
Benjamin V. Harrison, *Montclair, N. J.*
Irving W. Hart, *Southington*
Horace G. Hoadley, *New Haven*
Sheldon Q. Kerruish, *Cleveland, O.*
Harry W. Latham, *Bridgeport*
Marcus Morton, *Andover, Mass.*
John Pierpont, *New Haven*
Austin R. Preston, *Buffalo, N. Y.*
Andrew L. Sawyer, *Greenwich*
William Trumbull, *Valparaiso, Chili*

DISPUTES

Frank H. Beede, *Dover, N. H.*
David H. Buel, *Yonkers, N. Y.*
Charles W. Burpee, *Waterbury*
Charles H. Burr, *Bloomington, Ill.*
George L. Burton, *New Haven*
Clifford D. Ham, *Dubuque, Iowa*
Frederic W. Havens, *Bridgeport*
Wilber E. Houpt, *Somerset, N. Y.*
Samuel R. Jewett, *Chicago, Ill.*
Francis B. Kellogg, *Avon*
Fred. C. Leonard, *Spring Mills, N. Y.*
George H. A. Lyford, *Cincinnati, O.*
Isaac B. Newton, *Norwich, N. Y.*
Joseph J. Rose, *Bridgeport*
Frank P. Sproul, *Pittsburgh, Pa.*
William H. Stockwell, *Orange, N. J.*

George Cromwell, *Brooklyn, N. Y.*
Edward N. Dingley, *Lewiston, Me.*
Seward H. Fields, *Atlanta, Ill.*
Charles J. Foote, *New Haven*
Charles S. Foote, *Port Henry, N. Y.*
John A. Moore, *St. Louis, Mo.*
Joseph R. Parrott, *Oxford, Me.*
James F. Raymond, *Brooklyn, N. Y.*

COLLOQUIES.

Francis D. Chamberlain, *W Chester, Pa.*
Arthur L. Fisk, *Northampton, Mass.*
Henry A. Forchheimer, *Mobile, Ala.*
Joseph H. Nelson, *Aurora, Ill.*
Dudley Phelps, *New York City*
Edward E. Smith, *Birmingham*
John E. Wayland, *New York City*

John F. Craul, *Hall, Pa.*
Laurent C. Deming, *Hartford*
Thomas D. Husted, *Peekskill, N. Y.*
Rollin A. Sawyer, *Greenwich*

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—PHILIP G. BARTLETT, B.A., Class of 1881.
SOLDIERS' Memorial Fellow—WALTER R. BRIDGMAN, B.A., Class of 1881.
SILLIMAN Fellow—ARTHUR E. BOSTWICK, B.A., Class of 1881.

THEOLOGICAL DEPARTMENT:

HOOKER Fellow—CHARLES H. WILLCOX, B.D., Class of 1881.

SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT:

LARNED Scholar, Class of 1880—WALTER H. BUELL, B.A.
BERKELEY Scholar, Class of 1881—EDWIN E. AIKEN, B.A.
LARNED Scholar, Class of 1881—ISAAC THOMAS, B.A.
BRISTED Scholar, Class of 1881—ADRIAN S. VAN DE GRAAFF, B.A.
LARNED Scholar, Class of 1882—BARCLAY JOHNSON, B.A.
CLARK Scholar, Class of 1882—FRANK F. ABBOTT, B.A.
WOOLSEY Scholar, Class of 1883—ELIAKIM H. MOORE, Jr.
WOOLSEY Scholar, Class of 1884—GUSTAVE F. GRUENER.
WOOLSEY Scholar, Class of 1885—GUY W. MALLON.

OTHER PREMIUMS AWARDED DURING THE YEAR 1881–2.

UNIVERSITY PRIZE:

JOHN A. PORTER Prize—THOMAS R. MORROW, B.A., of the Class of 1882, Department of Law.

ACADEMICAL DEPARTMENT:

WOOLSEY Scholarship, Class of 1885—Guy W. Mallon and Eugene L. Richards, Jr., being equal in rank, the Scholarship fell by lot to Mallon.
HURLBUT Scholarship, Class of 1885—Eugene L. Richards, Jr.
THIRD Freshman Scholarship, Class of 1885—John D. Ferris.
DEFOREST Medal, Class of 1882—Benjamin Brewster.
TOWNSEND Premiums for English Composition, Class of 1882—Cyrus Bentley, Jr., Wayland I. Bruce, Harry C. Fries, Walter Murphy, Joseph E. Whitney.
COBDEN Club Medal for proficiency in Political Economy, Class of 1882—Albert H. Atterbury.
1ST SENIOR Mathematical Prize, Class of 1882—George E. Curtis.
PREMIUM for solution of Astronomical Problems, Class of 1882—George E. Curtis.
SCOTT Prize in German, Class of 1882—Charles B. Storrs, with honorable mention of Burnside Foster.
SCOTT Prize in French, Class of 1883—{ Arthur B. Cornwall, William Price.
WINTHROP Prizes, Class of 1883—1st Prize, Charles C. Sherman; 2d Prize, Joseph M. Lewis.
CLARK Mathematical Prize, Class of 1885—John S. Pardee.

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1883:

1st Prizes, George W. Johnston and Fred C. Leonard; 2d Prizes, Arthur E. Bowers, Charles W. Burpee, Woolsey Carmalt, Cleveland L. Moffett, Eliakim H. Moore, Jr., Thomas S. Southworth, William Trumbull, Harold Vernon.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1884:

1st Term: 1st Prizes, Edward C. Gale, William E. Nichols, Harry M. Painter, Henry M. Wolf; 2d Prizes, Charles M. Boswell, George M. Cheney, Reginald Foster, Edward W. Potter, Joseph Tomlinson, Jr.; 3d Prizes, John Holden, Selden P. Spencer, Frank Strong, George Urquhart, Jr.

2d Term: 1st Prizes, Edward C. Gale, Daniel H. Griffing, William E. Nichols, Harry M. Painter, Henry M. Wolf; 2d Prizes, Wallace S. Allis, Robert H. Lyman, George H. Makuen, Frank Strong, Henry B. Twombly; 3d Prizes, Edward M. Chapman, Leonard M. Daggett, Reginald Foster, Charles J. Jennings, Harry W. Prouty.

PRIZES FOR DECLAMATION, CLASS OF 1884:

1st Prize, George H. Makuen; 2d Prize, Daniel H. Griffing and Sydney Stein; 3d Prize, Paul E. Jenks and Selden P. Spencer.

MATHEMATICAL PREMIUMS:

Class of 1884—1st Prize, George E. Cohen; 2d Prizes, George W. Patterson, John I. Souther; 3d Prizes, Dean A. Walker, Herbert W. Wolcott.

Class of 1885—1st Prize, Guy W. Mallon; 2d Prize, Paul I. Welles; 3d Prizes, Lucius O. Baird, Wolff Willner.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1885:

1st grade, Jonathan Barnes, John C. Bridgman, Guy W. Mallon, Frank R. Shipman, Frank Van Allen, Herbert H. White; 2d grade, Edward H. Chandler, Dixi L. Crosby, John D. Ferris, John S. Pardee, John W. Platner, Eugene L. Richards, Jr.

SHEFFIELD SCIENTIFIC SCHOOL

Class of 1882:

FOR EXCELLENCE IN CIVIL ENGINEERING, Norman Smith Latham, and Sheldon Elton Minor.

FOR EXCELLENCE IN DYNAMIC ENGINEERING, Frank Judson Lambert, and Herbert Waldron Faulkner.

FOR EXCELLENCE IN GERMAN, Frederick William LaForge.

Class of 1883:

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, John Bartholomew, and Frederick Elijah Beach.

Class of 1884:

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, Charles Percival Farquhar, and Edwin Musser Herr, with honorable mention of George Wyckoff Cummins.

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FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prizes, Davenport Galbraith, Calvin Linsley Harrison, Samuel Brown Hawley, Edwin Musser Herr, and William Wallace Nichols; 2d Prizes, Lawrence Vincent Benét, and James Henry Warner; 3d prizes, Benjamin Wales Dodge, Charles Percival Farquhar, and Willis LaFayette Perkins.

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TOWNSEND PRIZE ($100), for pronouncing the best oration at graduation—William R. Barbour, B.A.

Committee of Award: Cyrus Bentley, Esq., Chicago, Ill.
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Theodore Bacon, Esq., Rochester, N. Y.

JEWELL PRIZE ($50), for the best examination at graduation—William Ransom Barbour, B.A.

BETTS PRIZE ($50), for the best examination on the studies of the Junior year—Daniel William Lawler, B.A., Georgetown College.

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The last edition of the Triennial Catalogue of the Graduates was published in 1880. Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

The Annual Catalogue will be sent regularly to all graduates who may express the desire to receive it, and who furnish their addresses for the purpose.

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THE SECRETARY OF YALE COLLEGE,

NEW HAVEN, CONN.

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the Various Departments,

1883–84

NEW HAVEN:
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS.
1883

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ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

The rooms in Sheffield Hall are numbered from 1 to 22; in North Sheffield Hall from 28 to 58.

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CALENDAR

1883		
13 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
27 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Monday	School of the Fine Arts, term begins.
3 Oct.	Wednesday	Examination for admission, Department of Medicine.
4 Oct.	Thursday	First Term, Department of Medicine, begins.
20 Dec.	Thursday	FIRST TERM ends.

Winter Vacation of three weeks.

1884		
10 Jan.	Thursday	SECOND ACADEMICAL TERM begins.
27 March	Thursday	Winter Term, Department of Law, ends.
3 April	Thursday	Junior Exhibition.
9 April	Wednesday	SPRING ACADEMICAL RECESS begins.
10 April	Thursday	Third Term, Dep't. of Medicine, begins.
10 April	Thursday	Spring Term, Department of Law, begins.
16 April	Wednesday	SPRING ACADEMICAL RECESS ends.
5 May	Monday	Bristed Scholarship Examination begins.
6 May	Tuesday	Berkeley Scholarship Examination.
13, 14 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
15 May	Thursday	Anniversary, Department of Theology.
19 May	Monday	Woolsey Scholarship Examination begins.
19 May	Monday	Winthrop Prize Examination.
31 May	Saturday	School of the Fine Arts, term ends.
20 June	Friday	DeForest Prize Speaking.
22 June	Sunday	Baccalaureate Sermon.
23 June	Monday	Presentation for Degrees, Academical Dep't.
23 June	Monday	Anniversary of the Department of Medicine.
24 June	Tuesday	Anniversary of the Society of Alumni.
24 June	Tuesday	Anniversary of the Sheffield Scientific School.
24 June	Tuesday	Anniversary of the Department of Law.
25 June	Wednesday	COMMENCEMENT.
26, 27, 28 June	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.

Summer Vacation of twelve weeks.

16, 17 Sept.	Tuesd., Wedn.	Examinations for admission.
18 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
25 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Wednesday	Examination for admission, Department of Medicine.
2 Oct.	Thursday	First Term, Department of Medicine, begins.
18 Dec.	Thursday	FIRST TERM ends.

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Elisha Smith Fiske, B.D.	*Shelburne, Mass.*	84 W.
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JUNIOR CLASS, 30

GRADUATE CLASS,	5
SENIOR CLASS,	26
MIDDLE CLASS,	38
JUNIOR CLASS,	30
Total,	99

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SENIOR CLASS, 38

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JUNIOR CLASS, 24

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GRADUATE CLASS,	7
SENIORS,	38
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TOTAL,	69

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Joseph Nathaniel Tuttle	*Madison, N. J.*	124 N.
Henry Bancroft Twombly	*Boston, Mass.*	209 D.
Harry Raup Wagner	*Philadelphia, Pa.*	169 F.
Charles Morehead Walker	*Chicago, Ill.*	169 F.
Dean Augustus Walker	*Auburndale, Mass.*	29 S.
Charles Ansel Watrous	*New Haven*	166 F.
Albert Foote Wells	*New Haven*	100 Greene st.
Arthur Brattle Wells	*Chicago, Ill.*	74 N. M.
Edward Wells, Jr.	*Peekskill, N. Y.*	209 D.

Henry Lincoln Whittlesey	*Old Saybrook*	172 F.
Amos Parker Wilder	*Augusta, Me.*	29 S.
Nathan Gallup Williams, Jr.	*Detroit, Mich.*	202 D.
William Williams	*New London*	119 N.
Herbert Walter Wolcott	*Cleveland, O.*	31 S.
Henry Milton Wolf	*Chicago, Ill.*	139 F.
Joseph Wood	*Sayville, N. Y.*	167 F.
Harry Augustus Worcester	*Albany, N. Y.*	204 D.
Edward Augustus Wright	*Cromwell*	23 S.

SENIORS, 149

JUNIOR CLASS

Ernest Rufus Adee	*Westchester, N. Y.*	208 D.
Clifford Butler Allen	*St. Louis, Mo.*	223 D.
Henry Burrall Anderson	*New York City*	216 D.
John Hulett Arnot	*Elmira, N. Y.*	203 D.
Francis Peck Bacheler	*Woodstock*	76 N. M.
Lucius Olmsted Baird	*Chicago, Ill.*	218 D.
Dwight Baldwin	*Allston, Mass.*	231 D.
Henry deForest Baldwin	*New York City*	53 S. M.
Walter Sterrett Baldwin	*Chicago, Ill.*	156 F.
Frederic McLeod Barbour	*New Haven*	231 York st.
Frederic Barnard	*Poughkeepsie, N. Y.*	120 York st.
Jonathan Barnes	*Springfield, Mass.*	8 S.
Henry Worthington Beckwith	*Chicago, Ill.*	215 D.
Samuel Reading Bertron	*Port Gibson, Miss.*	219 D.
Joseph Augustus Blake	*New Haven*	144 F.
Herbert James Boggis	*Cleveland, O.*	45 S. M.
John Henry Booth	*Vergennes, Vt.*	8 S.
Robert Seymour Bradley	*New Haven*	10 S.
Frank Bosworth Brandegee	*New London*	161 F.
John Cloyse Bridgman	*Cleveland, O.*	15 S.
John Horatio Briggs	*Auburn, Me.*	1 S.
Oliver Percy Bright	*Wilmington, Del.*	219 D.
Henry Stanford Brooks, Jr.	*San Francisco, Cal.*	158 F.
John Laidlaw Buel	*Litchfield*	16 S.
Colin Sherman Buell	*Madison*	103 N.
Lewin Frank Buell	*Madison*	107 N.
David Hanson Buffum	*Great Falls, N. H.*	158 F.
Samuel Davis Capen	*St. Louis, Mo.*	223 D.
Charles Lyman Carhart	*Peekskill, N. Y.*	145 F.
William Merle Carhart	*Peekskill, N. Y.*	145 F.
William Scoville Case	*Granby*	176 F.

Wilson Catherwood	*Philadelphia, Pa.*	231 D.
Edward Herrick Chandler	*Auburndale, Mass.*	33 S. M.
Harry Goodnow Chase	*Lake View, Ill.*	45 S. M.
Francis Asbury Christian	*Canandaigua, N. Y.*	151 F.
Sidney Morse Colgate	*Orange, N. J.*	13 S.
Richard Collins Colt	*New York City*	138 F.
Henry Buckelew Cosgrove	*Brooklyn, N. Y.*	6 S.
Augustin Averill Crane	*New Haven*	7 S.
William Williams Crehore	*Cleveland, O.*	6 S.
Wilbur Lucius Cross	*Gurleyville*	90 N. M.
Charles Elbridge Cushing	*Bath, Me.*	178 L.
Colman Ward Cutler	*New London*	217 D.
William M. Derby, Jr.	*Chicago, Ill.*	176 F.
George Stuart Dickinson	*Worcester, Mass.*	17 S.
Charles Stuart Dodge	*New York City*	179 L.
Herbert Lionel Doggett	*Kansas City, Mo.*	215 D.
Wilfred Ernest Eaton	*Orange, N. J.*	64 High st.
Richard Ellis	*Peekskill, N. Y.*	108 N.
Albert Heman Ely	*Elyria, O.*	206 D.
William David Evans	*Rockville*	61 S. M.
Walter Farwell	*Chicago, Ill.*	4 S.
John Dennis Ferris	*Chatham, N. J.*	3 S.
Henry Richmond Flanders	*West Tisbury, Mass.*	4 S.
John Couch Flanders	*Portland, Oregon*	225 D.
Charles Northrop Flint	*Port Henry, N. Y.*	76 N. M.
Lambert Foster	*Plainfield, N. J.*	218 D.
Frederic Wilson Francis	*Newington*	63 S. M.
Walter Francis Frear	*Oakland, Cal.*	90 N. M.
Henry Fresenius	*New Haven*	17 S.
Harlow Stearns Gale	*Minneapolis, Minn.*	25 S.
John William Gavin	*New Haven*	90 Orchard st.
Edward Augustus George	*Providence, R. I.*	162 F.
Lafayette Blanchard Gleason	*Delhi, N. Y.*	174 F.
Kenyon Gorham	*New York City*	210 D.
Herbert Ridgway Green	*Reading, Pa.*	144 F.
William Gregory Green	*New Milford*	15 S.
James Hall	*New Haven*	69 N. M.
Charles Edward Harris, Jr.	*New Haven*	149 St. John st.
Henry Knabb Harrison	*Birdsboro, Pa.*	146 F.
Walter Augustus Hawley	*San Francisco, Cal.*	152 F.
Benjamin Kaye Heaton	*Philadelphia, Pa.*	38 S. M.
Edward Neblett Hidden	*Cincinnati, O.*	85 N. M.
Charles Buxton Hobbs	*Brooklyn, N. Y.*	220 D.
Philip Parley Hubbard	*Litchfield*	123 N.
Stanton Benette Hume	*St. Louis, Mo.*	61 S. M.
Ernest Howard Hunter	*Chicago, Ill.*	129 F.
Henry Fairchild James	*Ogdensburg, N. Y.*	216 D.
William Jarvis	*Louisville, Ky.*	154 F.

James Richard Joy	*Groton, Mass.*	11 S.
James Benjamin Keogh	*Chicago, Ill.*	226 D.
Robert Bage Kerr	*New York City*	173 F.
Hervey DeLoss Leland	*Utica, N. Y.*	200 George st.
George Thomas Linsley	*New Haven*	7 S.
John Loman	*Camden, N. J.*	3 S.
Rodney Macdonough	*Philadelphia, Pa.*	213 D.
John McHenry	*Baltimore, Md.*	64 High st.
Guy Ward Mallon	*Cincinnati, O.*	104 N.
Louis Austin Mansfield	*New Haven*	70 Lyon st.
Charles Thompson Mathews	*New York City*	213 D.
William Maxwell	*Rockville*	159 F.
James Alfred Merrill	*Rutland, Vt.*	161 F.
Caleb Eugene Montgomery	*Lancaster, Pa.*	147 F.
William Procter Morrison	*Cincinnati, O.*	20 S.
David Winfield Mulvane	*Topeka, Kansas*	225 D.
John Andrew Myers	*Columbia, Pa.*	173 F.
Charles Dwight Napier	*Brooklyn, N. Y.*	159 F.
Edwin Franklin Norton	*Homer, N. Y.*	123 N.
Atherton Noyes	*Wilmington, Mass.*	33 S. M.
Manly Dayton Ormes	*Tuscola, Mich.*	38 S. M.
John Stone Pardee	*New Haven*	133 College st.
John Palmer Parsons	*Rye, N. Y.*	13 S.
Lyman Plimpton Peet	*West Haven*	92 N. M.
William Fellows Peet	*Philadelphia, Pa.*	174 F.
Edward Bunnell Phelps	*New Haven*	156 F.
Robert James Pitkin	*Denver, Col.*	226 D.
John Winthrop Platner	*Newark, N. J.*	154 F.
David Plessner	*Holden, Mo.*	1 S.
Oramel Whittlesey Pratt	*Salem*	34 S. M.
Eugene Lamb Richards, Jr.	*New Haven*	135 College st.
Edwin Wales Robertson	*Columbia, S. C.*	10 S.
Lucius Franklin Robinson	*Hartford*	14 S.
George Augustus Sanderson	*Littleton, Mass.*	11 S.
Robert Alfred Sands	*New York City*	147 F.
Emil Adolfe Schultze, Jr.	*Hoboken, N. J.*	208 D.
Conrad Shamel Sheive, Jr.	*Norristown, Pa.*	146 F.
Frank Robinson Shipman	*Hartford*	14 S.
Joseph Cornelius Smith	*Brookfield*	22 Olive st.
George Fitch Stacy	*Stacyville, Iowa*	34 S. M.
Carrington Riverius Stiles	*East Bloomfield, N. Y.*	17 Wooster pl.
Richard Salter Storrs	*Orange, N. J.*	217 D.
Otis Strong	*Auburn, N. Y.*	180 L.
Wyllys Terry	*Brooklyn, N. Y.*	232 D.
Arthur Cecil Thomson	*Chicago, Ill.*	220 D.
Arthur Lloyd Tomes	*Brooklyn, N. Y.*	18 S.
William Thomas Tomlinson	*Georgetown, Del.*	69 N. M.
Joseph Hendley Townsend	*New Haven*	18 S.

Frank Van Allen	*Ravenswood, Ill.*	92 N. M.
Francis Joseph Vernon	*Brooklyn, N. Y.*	232 D.
George Edgar Vincent	*New Haven*	104 N.
Albert Clark Waite	*New York City*	235 D.
Wilmer Earl Walker	*Chicago, Ill.*	129 F.
Charles Lewis Way	*Hartford*	162 F.
Paul Irving Welles	*Fayetteville, N. Y.*	25 High st.
Theodore Winthrop Weston	*New York City*	88 N. M.
William Taylor Glidden Weymouth	*Beaufort, S. C.*	210 D
Herbert Henry White	*New Haven*	147 Humphrey st.
Levi Olmsted Wiggins	*Newburgh, N. Y.*	525 Chapel st.
Charles Samuel Wiley	*Charleston, Ill.*	108 N.
Robert Bradford Williams	*Augusta, Ga.*	69 Hudson st.
Wolff Willner	*New Haven*	157 Bradley st.
George Heber Woodhull	*Baiting Hollow, N. Y.*	107 N.
Wilfred James Worcester	*Albany, N. Y.*	204 D.

JUNIORS, 143

SOPHOMORE CLASS

Charles Francis Adams	*Westport*	28 S.
John Charles Adams	*Oakland, Cal.*	56 W.
Norman Ilsley Adams	*Boston, Mass.*	192 C.
Warren Austin Adams	*Skaneateles, N. Y.*	192 C.
Joseph Lincoln Adler	*Cincinnati, O.*	74 High st.
Zachariah Nelson Allen	*Brooklyn, N. Y.*	224 D.
Henry Semple Ames	*St. Louis, Mo.*	56 S. M.
Paul Kimball Ames	*Minneapolis, Minn.*	193 C.
William Burrall Anderson	*New York City*	498 Chapel st.
Benjamin Harris Anthony	*New Bedford, Mass.*	44 S. M.
Robert Appleton	*New York City*	498 Chapel st.
Bartlett Arkell	*Canajoharie, N. Y.*	60 S. M.
Edward Sawyer Bacon	*Dover, N. H.*	67 N. M.
Charles Lukens Bailey, Jr.	*Harrisburg, Pa.*	498 Chapel st.
Harvey Brown Bashore	*West Fairview, Pa.*	99 N.
Everett Alanson Bates	*Danielsonville*	186 C.
John Beadle	*New Haven*	137 College st.
Porter Beardsley	*Auburn, N. Y.*	450 Chapel st.
Daniel Doane Bidwell	*East Hartford*	91 N. M.
Louis Bennett Bishop	*New Haven*	215 Church st.
George Hathaway Bixby	*Los Angeles, Cal.*	40 S. M.
Edward Newton Brandegee	*Berlin*	91 N. M.
William Partridge Brandegee	*Elizabeth, N. J.*	62 W.
Samuel Kimball Bremner	*Boxford, Mass.*	100 N.

William Sinclair Brigham	*Savannah, Ga.*	498 Chapel st.
Joseph Sharswood Brinton	*Philadelphia, Pa.*	141 F.
Cornelius Gardner Bristol	*Milford*	191 C.
Ellis Henry Roberts Brooks	*New York City*	76 Howe st.
William Adams Brown	*New York City*	66 W.
Carl Darling Buck	*Bucksport, Me.*	116 N.
James William Calderwood	*Haverhill, Mass.*	49 S. M.
Wilson Lee Cannon, Jr.	*Dover, Del.*	69 N. M.
William White Capron	*Albany, N. Y.*	238 York st.
George Elias Carter	*Chicopee Falls, Mass.*	109 York st.
Theophilus Ransom Carter	*Erie, Pa.*	65 N. M.
Lawrence William Churchill	*Oswego, N. Y.*	64 S. M.
Charles Franklin Clarke	*Columbia*	157 Orange st.
Charles Nelson Codding	*Collinsville*	109 York st.
Austen Colgate	*Orange, N. J.*	116 W.
James Moffatt Condit	*Indianapolis, Ind.*	165 F.
Michael Francis Connor	*Chicopee, Mass.*	189 C.
Francis Rexford Cooley	*Hartford*	65 W.
John Joseph Corkery	*Norwich*	189 C.
Gibbons Gray Cornwell	*West Chester, Pa.*	87 N. M.
Alfred Cowles, Jr.	*Chicago, Ill.*	177 F.
Stanford Tappan Crapo	*New Bedford, Mass.*	44 S. M.
William Randall Crawford	*Chicago, Ill.*	200 York st.
Dixi Lyman Crosby	*Milford, N. H.*	189 George st.
Thomas Darling	*Wilkes Barre, Pa.*	143 F.
Benjamin Joseph Davis	*New Haven*	285 Orange st.
Thomas Mills Day, Jr.	*Hartford*	62 W.
Calvin Dickey	*Cincinnati, O.*	193 C.
Thomas Frank Dougherty	*Waterbury*	489 Chapel st.
Hugh Kirkman Drouillard	*Nashville, Tenn.*	489 Chapel st.
Daniel Meta Dull	*Harrisburg, Pa.*	254 York st.
Judson Shultz Dutcher	*Ellenville, N. Y.*	186 C.
Oliver Dyer, Jr.	*Mount Vernon, N. Y.*	120 High st.
Percy Edgar	*New York City*	81 N. M.
George Edwin Eliot, Jr.	*Clinton*	41 S. M.
Abraham Lincoln Fellows	*Norwich*	191 C.
George Otis Fellows	*Norwich*	191 C.
Richard Thomas Francke	*New York City*	68 N. M.
William Morgan Gallup	*Norwich*	190 C.
Arthur Goebel	*Covington, Ky.*	25 High st.
Nicholas Minor Goodlett, Jr.	*Evansville, Ind.*	84 N. M.
Chauncey William Goodrich	*New Haven*	116 W.
William Burton Goodwin	*Biddeford, Me.*	64 S. M.
Willis Horace Goodyear	*New Haven*	98 N.
Louis Moen Grant	*Chicago, Ill.*	160 F.
Walter Greenwood Graves	*New Haven*	101 Grove st.
John King Griffith	*Cynthiana, Ky.*	25 High st.
Charles Jared Griggs	*Waterbury*	99 N.

George Henry Guernsey	*Easton*	49 S. M.
Edwin Trowbridge Hall	*Binghamton, N. Y.*	68 N. M.
Lewis Birely Hamilton	*Waterbury*	489 Chapel st.
Henry Earl Hard	*Chicago, Ill.*	187 C.
Charles Edward Hellier	*Bangor, Me.*	40 S. M.
William Pirtle Herod	*Indianapolis, Ind.*	165 F.
Ralph Hickox	*New York City*	175 F.
Edward Avery Hine	*Newark, N. J.*	143 F.
Henry Ewing Hord	*Indianapolis, Ind.*	73 N. M.
Frederick Buell Hungerford	*Adams, Mass.*	116 N.
Charles Livingston Hyde	*Plainfield, N. J.*	224 D.
Henry Ivison, Jr.	*Rutherford, N. J.*	130 F.
Herbert Armstrong Jaggard	*Altoona, Pa.*	81 N. M.
Charles Henry Jeffras	*Cincinnati, O.*	136 College st.
Frank Harrison Kelley, Jr.	*Worcester, Mass.*	82 N. M.
Edward Russell Kellogg	*Oswego, N. Y.*	82 N. M.
Wallace Percy Knapp	*New York City*	450 Chapel st.
David Denison Lambert	*New Haven*	163 Bradley st.
Elliot Cowdin Lambert	*New York City*	90 High st.
Edward Bowman Leaf	*Birdsboro, Pa.*	130 F.
Dudley Leavitt	*West Stockbridge, Mass.*	28 S.
James Wright Lee, Jr.	*Cleveland, O.*	47 S. M.
William Leland	*Cleveland, O.*	498 Chapel st.
Charlton Miner Lewis	*New York City*	194 C.
William Howard Ludington	*New York City*	66 W.
William McElroy	*Albany, N. Y.*	238 York st.
Charles Hale Matthews	*Chicago, Ill.*	74 High st.
Charles Putnam Merrill	*Portland, Me.*	98 N.
Charles Albert Moore	*Columbus, O.*	75 N. M.
Daniel Agnew Moore	*St. Louis, Mo.*	56 S. M.
Frank Gardner Moore	*Columbus, O.*	75 N. M.
Frederick Wightman Moore	*New London*	133 F.
Edward Broadbent Morgan	*Denver, Col.*	74 High st.
Charles Rockwell Morley	*Cleveland, O.*	450 Chapel st.
George Rudolf Mosle	*New York City*	450 Chapel st.
Henry Townsend Nason	*Troy, N. Y.*	60 S. M.
Charles Fredrick Odell	*Tarrytown, N. Y.*	48 S. M.
John Henry Painter	*Kittanning, Pa.*	65 Olive st.
William Henry Parks	*Clinton*	29 High st.
Edward Wright Peet	*West Haven*	188 C.
Frank George Peters	*Syracuse, N. Y.*	67 N. M.
Arthur Stevens Phelps	*Hartford*	77 N. M.
Edward Johnson Phelps	*Andover, Mass.*	450 Chapel st.
Sheffield Phelps	*Englewood, N. J.*	178 L.
Charles Wheeler Pierson	*Florida, N. Y.*	194 C.
Robert Latimer Redfield	*New York City*	48 S. M.
Edward Winthrop Reid	*Lakeville*	74 High st.
Arleigh Dygert Richardson	*Ilion, N. Y.*	74 High st.

John Frederic Roache	*North Andover, Mass.*	183 L.
William Alfred Robbins	*Key Port, N. J.*	87 N. M.
Harry Leighton Rollins	*Wellesley, Mass.*	16 S.
Lucius Chester Ryce	*New York City*	136 College st.
Henry Thayer Safford	*Andover, Mass.*	113 N.
John Christopher Schwab	*New York City*	64 W.
Samuel Washington Scott	*New Haven*	181 L.
Fred Norris Sewall	*Bath, Me.*	41 S. M.
Henry Dusenbury Shelden	*Detroit, Mich.*	44 High st.
Arthur Leffingwell Shipman	*Hartford*	65 W.
Edward Colhoun Smith	*St. Joseph, Mo.*	74 High st.
Edward Lincoln Smith	*Montpelier, Vt.*	190 C.
Floyd Robinson Smith	*Jersey City, N. J.*	71 N. M.
Frank DeWitt Smith	*Chicago, Ill.*	59 Prospect st.
George Clark Smith	*Newburgh, N. Y.*	47 S. M.
William Cromwell Sprague	*Ogdensburg, N. Y.*	73 N. M.
Walter Gay Stebbins	*Springfield, Mass.*	113 N.
Philip Battell Stewart	*Middlebury, Vt.*	450 Chapel st.
Edgar Crane Stiles	*Hartford*	188 C.
William Martin Strauss	*Poughkeepsie, N. Y.*	138 College st.
Sylvester Howe Taylor	*Washington, D. C.*	489 Chapel st.
Elford Parry Trowbridge	*New Haven*	221 Church st.
Frederick Cumings Truslow	*Brooklyn, N. Y.*	86 W.
Rollin Usher Tyler	*Tylerville*	71 N. M.
James Palmer Waring	*New York City*	65 N. M.
Henry Stephens Washington	*Navesink, N. J.*	226 Church st.
Thomas Glasby Waterman	*Detroit, Mich.*	159 Temple st.
John Whitmore	*New Haven*	147 Bradley st.
Charles Rothchild Williams	*New Haven*	135 Grand st.
Frank Edward Wing	*Conway, Mass.*	75 W.
Dudley Winston	*Chicago, Ill.*	177 F.
Frederick James Winston	*New York City*	100 N.
Evans Woollen	*Indianapolis, Ind.*	187 C.

SOPHOMORES, 153

FRESHMAN CLASS

William Maitland Abell	*Franklin*	127 N.
Charles Adams	*Litchfield*	114 College st.
Chandler Parsons Anderson	*New York City*	252 York st.
James Archbald, Jr.	*Scranton, Pa.*	128 N.
Joseph Noyes Babcock	*Brooklyn, N. Y.*	80 N. M.
Philip Sheridan Babcock	*Brooklyn, N. Y.*	80 N. M.
Willoughby Babcock	*New Haven*	171 Whalley av.
Albertus Hutchinson Baldwin	*Cheshire*	146 College st.
Charles Francis Baldwin	*Princeton, Ill.*	168 George st.
Albert William Barnum	*Evanston, Ill.*	44 Elm st.
Thomas Livingston Bayne, Jr.	*New Orleans, La.*	120 Crown st.
Rodmond Vernon Beach	*New Haven*	124 Temple st.
John Bennetto	*New Haven*	59 Prospect st.
Elmer Fox Berkele	*New Haven*	48 Wooster st.
Leslie Dayton Bissell	*Saxton's River, Vt.*	29 High st.
William Bascom Bissell	*Lakeville*	87 Trumbull st.
Edward Lydston Bliss	*Newburyport, Mass.*	125 Dwight st.
Allan Blair Bonar	*New Haven*	126 N.
James Philip Booth	*New Orleans, La.*	131 High st.
Dwight Eliot Bowers	*New Haven*	117 Crown st.
Arthur Wolfe Brady	*Muncie, Ind.*	137 College st.
Clayton Harcourt Brigham	*Savannah, Ga.*	41 High st.
William Barrett Brinsmade	*Brooklyn, N. Y.*	254 York st.
Wilson Brooks	*Austin, Tex.*	93 N. M.
Carleton Lewis Brownson	*New Canaan*	100 Greene st.
Henry Wade Bruorton	*Brooklyn, N. Y.*	217 York st.
John Christopher Burch	*Nashville, Tenn.*	120 High st.
Edward Lathrop Burke	*Chicago, Ill.*	124 High st.
William Savage Burns	*Bath, N. Y.*	163 Temple st.
Ernest LeRoy Caldwell	*Windsor*	95 N. M.
Middleton Arnold Caldwell	*Newburyport, Mass.*	111 York st.
Victor Bush Caldwell	*Omaha, Nebr.*	44 Elm st.
John Henry Carson	*New York City*	115 Elm st.
Walter Boughton Chambers	*Brooklyn, N. Y.*	82 Wall st.
Frederick Starkweather Chase	*Waterbury*	215 York st.
Francis Cameron Clarke	*Sing Sing, N. Y.*	155 Crown st.
Sanford Ellsworth Cobb	*Brooklyn, N. Y.*	94 N. M.
Frank Cochrane	*Coxsackie, N. Y.*	112 N.
Alfred Coit	*New London*	489 Chapel st.
Ira Clifton Copley	*Aurora, Ill.*	529 Chapel st.
William Aaron Cornish	*Gillette, N. J.*	110 N.
Robert Nelson Corwin	*Baiting Hollow, N. Y.*	127 N.
William Hutchinson Cowles	*Chicago, Ill.*	200 York st.
Alexander Brown Coxe	*New York City*	76 High st.

John Cullinan, Jr.	*Bridgeport*	59 Prospect st.
Joseph Thomas Cunningham	*Norwich*	159 George st.
John Hubbard Curtis	*New Haven*	218 Orange st.
Thomas Hamlin Curtis	*New Haven*	218 Orange st.
Percy Walker Dana	*New Haven*	67 York sq.
Henry Alexander Dann	*Susquehanna, Pa.*	361 Elm st.
Stephen Howard Dennen	*New Haven*	243 Orange st.
Willard Robinson Douglass	*Leavenworth, Kan.*	111 N.
John Rice Eldridge	*Milford, Mass.*	104 Wall st.
Clarence Clark Ferris	*Sound Beach*	58 Lyon st.
Harry Burr Ferris	*Sound Beach*	58 Lyon st.
Charles Schmeck Foos	*Reading, Pa.*	8 Sylvan av.
Bernard Francis Gaffney	*New Britain*	125 Dwight st.
Robert Alexander Gardiner	*New Haven*	129 Whitney av.
Andrew Frink Gates	*Lebanon*	157 Orange st.
John Minor Gillespie	*Hard Times Landing, La.*	64 High st.
Clarence Glisan	*Portland, Oregon*	251 Church st.
Edward Winchester Goodenough	*Winchester*	314 York st.
William Nettles Goodwin	*Quincy, Cal.*	29 High st.
Robert Beers Gray	*Birmingham*	184 York st.
William Jessup Hand	*Scranton, Pa.*	109 Elm st.
Clinton Larue Hare	*Indianapolis, Ind.*	161 York st.
Frederic Wells Hart	*Plainville*	95 N. M.
Horace Sedgwick Hart	*New Haven*	104 William st.
Clifford Wayne Hartridge	*Savannah, Ga.*	41 High st.
George Griswold Haven, Jr.	*New York City*	76 High st.
Robert Forbes Hawkes	*New Haven*	44 Trumbull st.
Theodore Stone Hawley	*San Francisco, Cal.*	152 F.
Frederick Trevor Hill	*New York City*	165 Temple st.
George Edwin Hill	*Stamford*	74 High st.
Charles Mills Hinkle	*Cincinnati, O.*	215 York st.
Clarke Wesley Holly	*Philadelphia, Pa.*	109 N.
Frank Clifford Howe	*Peoria, Ill.*	96 N. M.
John Howard Hume	*Poughkeepsie, N. Y.*	15 Home pl.
William Stanton Hume, Jr.	*St. Louis, Mo.*	61 S. M.
Albert Gay Hunt	*Scranton, Pa.*	128 N.
DeWitt Clinton Huntington	*West Bingham, Pa.*	125 Dwight st.
George Merriam Hyde	*Chicago, Ill.*	86 Wall st.
Louis Kepler Hyde	*Plainfield, N. J.*	127 Crown st.
Obed Wilson Irvin	*Dayton, O.*	523 Chapel st.
Robert Irving Jenks	*Newport, N. H.*	295 York st.
Charles Bulkley Jennings	*Fairfield*	295 York st.
Oliver Gould Jennings	*Fairfield*	72 High st.
Allen Wardner Johnson	*Brooklyn, N. Y.*	165 Temple st.
Charles Keeler	*Auburn, N. Y.*	93 N. M.
John Bassett Keep	*Brooklyn, N. Y.*	161 Crown st.
William Burrage Kendall, Jr.	*Brooklyn, N. Y.*	165 Temple st.
William Kent	*San Rafael, Cal.*	155 Crown st.

Henry Belden Ketcham	*Dover Plains, N. Y.*	120 York st.
John Scott King	*Unionville*	106 Wall st.
John Henry Kirkham	*Newington*	79 N. M.
Charles Asher Knight	*Peekskill, N. Y.*	118 York st.
Samuel Knight	*Oakland, Cal.*	112 N.
Alfred Leeds	*Stamford*	192 Grove st.
Frank Dodge Leffingwell	*Montclair, N. J.*	109 N.
John Leverett	*Easthampton, Mass.*	96 N. M.
Robert Hart Lewis	*New Haven*	258 George st.
Charles Henry Ludington, Jr.	*New York City*	252 York st.
James McCormick, Jr.	*Harrisburg, Pa.*	192 York st.
William McCormick	*Harrisburg, Pa.*	192 York st.
Robert Maxwell	*Rockville*	133 College st.
Henry Lawton May	*North Brookfield, Mass.*	224 Crown st.
Frank Adams Meacham	*Fort Douglas, Utah*	126 N.
Joseph Weed Middlebrook	*Wilton*	100 Greene st.
Clarence Tomlinson Morse	*Chicago, Ill.*	146 College st.
Richard Dana Morse, Jr.	*South Sudbury, Mass.*	22 College st.
George Francis Nesbitt	*Kingston, Pa.*	123 York st.
Edward Hiram Norton, Jr.	*Torrington*	196 Crown st.
Irving Olmstead	*Stamford*	74 High st.
Edwin Parsons	*New York City*	133 College st.
Homer Tomlinson Partree	*Woodbury*	55 Prospect st.
David Warren Patten	*Colchester*	161 Crown st.
Louis Harman Peet	*Brooklyn, N. Y.*	152 Grove st.
Arthur Reed Pennell	*Brunswick, Me.*	9 Park st.
Thomas Penney	*London, England*	78 N. M.
Thomas Norwood Penrose	*Philadelphia, Pa.*	72 High st.
Arthur Perkins	*Hartford*	114 College st.
Herbert Farrington Perkins	*Farmington, Me.*	110 N.
George Daniel Pettee	*Sharon, Mass.*	111 N.
William Lyon Phelps	*Hartford*	77 N. M.
Frederic Smith Pickett	*Tariffville*	95 N. M.
Robert William Playford	*Uniontown, Pa.*	109 Elm st.
Frederick Hopkins Pomeroy	*Lockport, N. Y.*	76 W.
John Norton Pomeroy, Jr.	*San Francisco, Cal.*	167 Temple st.
Thomas Wyman Porter	*Montclair, N. J.*	125 N.
George Clyde Post	*Owasco Lake, N. Y.*	39 Lynwood st.
John Rogers, Jr.	*Stamford*	252 York st.
Benjamin Romaine	*San Francisco, Cal.*	215 Crown st.
Thomas Frederick Sanford	*Redding*	65 Dixwell av.
Charles Otis Scoville	*Montpelier, Vt.*	94 N. M.
William Albert Setchell	*Norwich*	361 Elm st.
Lewis Seymour	*Binghamton, N. Y.*	109 Wall st.
James Rockwell Sheffield	*Utica, N. Y.*	219 York st.
Walter Bradley Sheppard	*Penn Yan, N. Y.*	118 York st.
John Calhoun Simonds	*Charleston, S. C.*	120 York st.
Paul Spencer	*Brooklyn, N. Y.*	152 Grove st.

Fred Sprague	*Chicago, Ill.*	120 High st.
Edward Staehlin	*Newark, N. J.*	53 Prospect st.
Maximilian Lincoln Stein	*Milwaukee, Wisc.*	529 Chapel st.
Thomas Hunt Talmage	*Brooklyn, N. Y.*	192 Grove st.
William Pirrie Taylor	*Southbridge, Mass.*	215 York st.
William Larned Thacher	*New Haven*	155 Crown st.
Richard Simms Thomas	*Boonton, N. J.*	161 York st.
Edward Henry Thompson	*Auburn, Me.*	128 High st.
William Austin Tomes	*Brooklyn, N. Y.*	161 Crown st.
Charles Louis Torrey	*Putnam*	104 Wall st.
Howard Crosby Tracy	*Plainfield, N. J.*	127 Crown st.
Francis Bacon Trowbridge	*New Haven*	174 Crown st.
Wm. Rutherford Hayes Trowbridge, Jr.	*Barbadoes, W. I.*	526 Chapel st.
Winthrop Turney	*Astoria, N. Y.*	133 College st.
Frank Day Tuttle	*Brooklyn, N. Y.*	82 Wall st.
George Hobart Vining	*Asheville, N. C.*	78 N. M.
James Johnston Waring, Jr.	*Savannah, Ga.*	41 High st.
William Drew Washburn, Jr.	*Minneapolis, Minn.*	44 Elm st.
William Xenophon Weed	*Stamford*	60 Lyon st.
Frederic Roger Whittlesey	*Southington*	79 N. M.
Frederick Searls Woodward	*Brooklyn, N. Y.*	217 York st.
George Stanley Woodward	*Wilkes Barre, Pa.*	109 Elm st.
Michael Edward Woodward	*Oakland, Cal.*	53 Prospect st.
Roger Sherman Wotkyns	*Chicago, Ill.*	120 York st.
Richard Horner Wyeth	*Philadelphia, Pa.*	125 N.
Warren Samuel Yates	*Omaha, Nebr.*	109 Wall st.
George Hurlbut Young	*New York City*	155 Elm st.

FRESHMEN, 167

SHEFFIELD SCIENTIFIC SCHOOL

GOVERNING BOARD

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
GEORGE J. BRUSH, M.A., *Director*
REV. CHESTER S. LYMAN, M.A.
WILLIAM D. WHITNEY, PH.D., LL.D.
SAMUEL W. JOHNSON, M.A.
WILLIAM H. BREWER, PH.D.
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DANIEL C. EATON, M.A.
THOMAS R. LOUNSBURY, B.A.
OSCAR D. ALLEN, PH.D.
ADDISON E. VERRILL, M.A.
SIDNEY I. SMITH, PH.B.
WILLIAM G. MIXTER, PH.B.
A. JAY DU BOIS, PH.D.
RUSSELL H. CHITTENDEN, PH.D.
HENRY W. FARNAM, M.A., R.P.D.

ADDITIONAL INSTRUCTORS

ALBERT S. WHEELER, M.A.
FREDERIC R. HONEY
THOMAS W. MATHER, D.E.
ALLEN B. HOWE, PH.D.
CHARLES HILDEBRAND, D.E.
SAMUEL L. PENFIELD, PH.B.
ALTON W. LEIGHTON, M.D.
WILLIAM H. TREADWELL, JR., PH.D.
SAMUEL E. BARNEY, PH.B.
THOMAS B. OSBORNE, B.A.

GRADUATE STUDENTS

John Bartholomew, PH.B.	*Guilford*	91 Olive st.
Arnold Guyot Dana, B.A.	*New Haven*	24 Hillhouse av.
George Heber Graves, B.A.	*New Haven*	61 Grove st.
Chester Wolcott Lyman, B.A.	*New Haven*	88 Trumbull st.
Thomas Burr Osborne, B.A.	*New Haven*	156 Crown st.
Louis Valentine Pirsson, PH.B.	*New York City*	4 Mansfield st.
Samuel Lucius Penfield, PH.B.	*Catskill, N. Y.*	14 S. M.
Herbert Eugene Smith, PH.B., M.D. Univ. of Pa.	*New Haven*	76 Howe st.

SENIOR CLASS

Gustavo Alfonso	*New York City*	36 Elm st.
Elwood Harvey Allcutt	*Kansas City, Mo.*	101 W.
Laurence Vincent Benét	*Washington, D. C.*	18 Trumbull st.
Edward Blake	*New Haven*	107 W.
Clarence Russell Britton	*Cleveland, O.*	36 Elm st.
Chauncey Rea Burr	*Portland, Me.*	119 W.
Albert Park Campbell	*New Haven*	28 York sq.
Herbert DeWitt Carrington	*New Haven*	527 Chapel st.
William Brainard Coit	*New London*	36 Elm st.
Clifford Laurence Colton	*Canton*	65 Grove st.
Louis Edward Cooper	*Ansonia*	94 York sq.
George Wyckoff Cummins	*Vienna, N. J.*	94 York sq.
Charles Percival Farquhar	*York, Pa.*	289 York st.
Arthur Bixby Ferguson	*New Haven*	30 Crown st.
Davenport Galbraith	*Erie, Pa.*	36 Elm st.
Morgan Augustus Guinnip	*Washington, D. C.*	116 Crown st.
Calvin Linsley Harrison	*New Haven*	94 Wooster st.
John Bell Hatcher	*Cooper, Iowa*	12 Elm st.
Samuel Brown Hawley	*Yonkers, N. Y.*	43 College st.
Edwin Musser Herr	*Denver, Col.*	289 York st.
James Henry Jennings	*Redding*	17 College st.
Henry Clay Johnson	*Rome, Ga.*	201 Chapel st.
Thomas Crossley Johnson	*New Haven*	80 LaFayette st.
Edson Keith, Jr.	*Chicago, Ill.*	36 Elm st.
Duane Judson Kelsey	*Killingworth*	266 York st.
Albert Lucas	*Philadelphia, Pa.*	43 College st.
James Minor Maghee	*Evansville, Ind.*	65 York sq.
Luther James Martin	*Norwich*	361 Elm st.
Seyton Howard Martin	*Clifton, N. Y.*	71 W.
George Edgar Moulthrop	*New Haven*	253 North Front st.
William Wallace Nichols	*Manitou Springs, Col.*	289 York st.

Albert Anderson Noye	*Buffalo, N. Y.*	99 Wall st.
Herbert Lincoln Noyes	*New Haven*	74 High st.
Joseph Powell, Jr.	*Towanda, Pa.*	43 College st.
Joseph Warren Rogers, Jr.	*Scarborough, N. Y.*	73 Mansfield st.
Walter Allen Sadd	*South Windsor*	159 Temple st.
William Godfrey Sage	*Chicago, Ill.*	65 York sq.
Russell Sargent	*New Haven*	51 Elm st.
Clarence Wellington Sheldon	*Brooklyn, N. Y.*	36 Elm st.
William Tuttle Shepard	*Bristol*	17 College st.
John Prentice Terry	*Brooklyn, N. Y.*	121 Park st.
Chester Thorne	*Millbrook, N. Y.*	101 w.
James Henry Warner	*Steubenville, O.*	63 Prospect st.
Elmore Abram Willets	*Belmont, N. Y.*	43 College st.
Andrew Lincoln Winton	*Bridgeport*	63 Prospect st.

SENIORS, 45

JUNIOR CLASS

Arthur Bronson Adams	*New Haven*	120 St. John st.
Grenville French Allen	*New Haven*	197 Temple st.
Philip VanWyck Anderson	*Sing Sing, N. Y.*	68 w.
James Arthur Atwood	*Wauregan*	43 College st.
John Frank Babcock	*Elmira, N. Y.*	36 Elm st.
Paul Daily Bernard	*Brooklyn, N. Y.*	68 w.
Clarence Blakeslee	*New Haven*	316 George st.
Robert Neill Brace	*Dobbs Ferry, N. Y.*	57 w.
Fred Spencer Bullene	*Kansas City, Mo.*	36 Elm st.
Richard Morton Bushnell, Jr.	*Saybrook*	225 Orange st.
Merritt Mead Clark	*Bedford, N. Y.*	177 Temple st.
Wallace Sherman Clark	*New York City*	226 George st.
Arthur Chandler Coates	*Kansas City, Mo.*	36 Elm st.
Arthur Carrington Cowles	*Wallingford*	136 College st.
William Ledlie Culbert	*Brooklyn, N. Y.*	57 w.
John Joseph Flather	*Bridgeport*	295 York st.
William Holt Gale	*New York City*	324 Prospect st.
Irving Cook Gladwin	*Sherburne, N. Y.*	59 w.
Jacob Phillip Goodhart	*New Haven*	107 Court st.
Charles Lord Griffith	*San Francisco, Cal.*	36 Elm st.
John Venable Hanna	*Kansas City, Mo.*	58 w.
John Ethan Hill	*Mystic Bridge*	314 York st.
David Leavitt Hough	*Fort Wayne, Ind.*	59 w.
Percy Jackson	*Belleville, N. J.*	203 York st.
Edwin Young Judd	*Hartford*	86 w.
Amos William Kimball	*Portland, Oregon*	43 College st.
Harry D. Kohn	*Chicago, Ill.*	63 w.

Ira Lamb	*Franklin*	157 Orange st.
Percy Lyford Lang	*Waverly, N. Y.*	43 Chapel st.
Charles Pond McAvoy	*Chicago, Ill.*	43 College st.
Charles Dickerman McCandliss	*Philadelphia, Pa.*	58 w.
William Adair McDowell	*Lexington, Ky.*	43 College st.
Daniel William Maher	*New Haven*	129 Spring st.
Daniel Delevan Mangam, Jr.	*Sing Sing, N. Y.*	43 College st.
William Edward Martin	*Allentown, Pa.*	167 Temple st.
Edwin Alexander Meredith	*Xenia, O.*	65 York sq.
Deane Miller	*New Rochelle, N. Y.*	226 George st.
Herbert Lincoln Mitchell	*New Haven*	52 Insurance B'ld'g.
James Jacob Morgan	*New Haven*	470 Elm st.
William Alpheus Nettleton	*Kansas City, Mo.*	124 w.
Truman Handy Newberry	*Detroit, Mich.*	43 College st.
Isaac Norris, 3d	*Philadelphia, Pa.*	77 w.
George Washington Norton, Jr.	*Louisville, Ky.*	124 w.
Henry Oliver	*Pittsburgh, Pa.*	106 w.
John Cunningham Oliver	*Pittsburgh, Pa.*	106 w.
Abbott Chandler Page	*Fair Haven*	South Quinnipiac st.
Willis LaFayette Perkins	*Portland, Me.*	203 York st.
Royal Watson Pinney	*Derby*	167 Temple st.
Daniel Tuthill Pratt	*Elmira, N. Y.*	36 Elm st.
Sidney Armour Reeve	*Dayton, O.*	59 Grove st.
Willard Crawford Reid	*Lakeville*	74 High st.
John Rice	*Pottstown, Pa.*	43 College st.
Charles Thomas Richardson	*Hornellsville, N. Y.*	43 College st.
William Todd Ross	*Belfast, Me.*	60 w.
Charles Gideon Rupert	*New Market, Va.*	111 Dwight st.
Frank Elbert Sands	*New Haven*	119 Dwight st.
Louis Milton Schmidt	*New Britain*	59 Grove st.
James Alward Seymour	*Auburn, N. Y.*	36 Elm st.
Murray Shipley, Jr.	*Cincinnati, O.*	109 Elm st.
Joseph Godfrey Snydacker	*Chicago, Ill.*	63 w.
Frank Jerome Stevens	*New Haven*	7 Wooster pl.
William VanSchoonhoven Thorne	*New York City*	133 College st.
Henry Lee Townsend	*New York City*	88 w.
Curtiss Chauncey Turner	*Omaha, Nebr.*	60 w.
George Elliot Verrill	*New Haven*	86 Whalley av.
Frederick Brewster Wheeler	*Monroe*	175 Temple st.
Henry Howard Whitehouse	*Hartford*	167 Temple st.
Willis Stoughton Williams	*Minneapolis, Minn.*	65 York sq.
Winslow Tracy Williams	*Norwich*	71 w.
Edward Simpson Wilson	*New York City*	119 w.
Clarence Henry Wood	*Morristown, N. J.*	43 College st.
Benjamin Elizur Wright	*Cromwell*	91 w.

JUNIORS, 72

FRESHMAN CLASS

William Allender	*New London*	134 College st.
Gilbert Lincoln Husted Arnold	*Stamford*	607 Elm st.
William Wallace Atterbury	*Detroit, Mich.*	55 Prospect st.
Nathan Edward Ayer	*Bangor, Me.*	Church st.
Silas Warren Bartlett	*New Haven*	675 Chapel st.
Emil Baumgarten	*New York City*	63 Prospect st.
Henry William Blake	*New Haven*	149 Temple st.
John Marvin Blakeley	*St. Paul, Minn.*	251 Church st.
Howard Cone Bolton	*Cleveland, O.*	55 W.
Percival Ranney Bolton	*Cleveland, O.*	55 W.
Louis Whitford Bond	*New York City*	61 W.
Thomas Stoddard Bronson	*New Haven*	684 Chapel st.
Harry Lockwood Burns	*Milford*	57 Prospect st.
Lewis Emerson Cadwell	*New Haven*	106 Liberty st.
Fred. Eaton Case	*Detroit, Mich.*	76 Mansfield st.
Theodore Newton Case	*Hartford*	87 Trumbull st.
John Chamberlain	*Kansas City, Mo.*	76 Mansfield st.
Lucian Thorp Chapman	*New York City*	156 Grove st.
George Frederick Converse	*New Haven*	158 Olive st.
Frederick William Darlington	*West Chester, Pa.*	105 Wall st.
Alexander Harrison Davis	*Watertown*	104 Wall st.
John Edwin Doane	*Chicago, Ill.*	92 W.
Joseph Osterman Dyer, Jr.	*Galveston, Texas*	31 Trumbull st.
Ansel Mills Easton	*Millbrae, Cal.*	215 York st.
Charles Francis Emerson	*Titusville, Pa.*	38 Elm st.
Harvey Farrington	*Croton, N. Y.*	64 High st.
Joseph Essex Fitzsimons	*Waterbury*	84 Dixwell av.
Robert Elder Forster	*Harrisburg, Pa.*	44 Elm st.
Charles Albert Fry	*Westville*	147 Bradley st.
Frederick Abbot Goodwin	*Rutland, Vt.*	82 Wall st.
William Washington Gordon, 3d	*Savannah, Ga.*	115 Elm st.
James Eugene Greenebaum	*Chicago, Ill.*	110 Olive st.
Everett Mason Grimes	*Oakland, Cal.*	161 Temple st.
Theodore Newell Haller	*Seattle, Wash. Terr.*	76 Mansfield st.
Harry Cloyd Hamill	*Georgetown, Col.*	161 Temple st.
David Neil Harper	*Shippensburgh, Pa.*	287 York st.
Frank Sperry Harrison	*New Haven*	18 Warren st.
Willis Benjamin Herr	*Denver, Col.*	287 York st.
Jay Russell Hickox	*South Britain*	270 Martin st.
William Brisbane Hickox	*Litchfield*	128 High st.
William Barlow Hill	*Greenfield Hill*	17 College st.
Abraham Lincoln Howes	*Black Rock*	63 Prospect st.
Marvin D. Hubbell	*New York City*	94 York sq.
William Evelyn Hutchings	*Louisville, Ky.*	163 Temple st.

Morison Thomas Hutchinson	*Brooklyn, N. Y.*	165 Temple st.
Abraham Lincoln Hyde	*New Haven*	179 Washington st.
William David Johnson	*New Haven*	92 Rosette st.
Henry Bourne Joy	*Detroit, Mich.*	72 High st.
Thomas Coggeshall Knowles	*San Francisco, Cal.*	161 Temple st.
Harrie Sheldon Leonard	*Washington, D. C.*	8 Lock st.
Cornelius Fay Lynde	*Rock Island, Ill.*	237 Orange st.
Mahlon Henry Marlin	*New Haven*	178 George st.
Frederick Anderson Marsh	*Kansas City, Mo.*	109 Wall st.
Conrad Henry Matthiessen	*Cornwall, N. Y.*	155 Elm st.
Arthur Meeker	*Chicago, Ill.*	124 High st.
Edwin Frank Meyer	*Chicago, Ill.*	110 Olive st.
George Perkins Miller	*Utica, N. Y.*	163 Temple st.
Samuel Everett Oakes	*Washington, D. C.*	184 York st.
Henry White Patten	*North Haven*	17 Wooster pl.
George Eustis Potts	*Philadelphia, Pa.*	61 w.
James Frederick Prentiss	*Watertown, Wisc.*	44 Elm st.
William Acker Rice	*St. Paul, Minn.*	251 Church st.
Arthur Jones Richmond	*Providence, R. I.*	55 Trumbull st.
Samuel Bostwick Robbins	*Lakeville*	87 Trumbull st.
Reginald Ronalds	*New York City*	134 College st.
Alexander Holley Rudd	*Lakeville*	61 Grove st.
Henry Rustin	*Omaha, Nebr.*	New Haven House
Emanuel Frank Selz	*Chicago, Ill.*	110 Olive st.
Edwin Coupland Shaw	*Buffalo, N. Y.*	63 Prospect st.
Alfred Edgar Siviter	*West Stratford*	91 w.
Edward Arthur Smith	*Middletown*	61 Prospect st.
George Howard Smith	*Canajoharie, N. Y.*	167 Temple st.
William Sanders Tevis	*San Francisco, Cal.*	44 Elm st.
John Metcalfe Thomas	*New York City*	134 College st.
Louis Denio Tourtellot	*Utica, N. Y.*	124 High st.
Calvert Townley	*Cincinnati, O.*	192 York st.
George Pollok Devereux Townsend	*Middletown*	252 York st.
Thomas Brodhead VanBuren, Jr.	*Englewood, N. J.*	55 Trumbull st.
Henry Hayes Wadsworth	*Glencoe, Minn.*	Allingtown
James Edward Warnock	*Atlanta, Ga.*	128 York st.
John Willard Willard	*New York City*	109 Elm st.
Charles Willcox	*Omaha, Nebr.*	163 Temple st.
Rockwell Amasa Williams	*Canterbury*	104 Wall st.
Robert McKnight Woods	*New Haven*	210 George st.

FRESHMEN, 84

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Louis Ross Alberger	*Buffalo, N. Y.*	292 Ferry st.
Francis Lewis Sperry	*Tallmadge, O.*	146 College st.
James Prior Wood	*West Haven*	2 Church st.

SPECIAL STUDENTS, 3

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
JOHN F. WEIR, N.A., M.A., DIRECTOR
REV. JAMES M. HOPPIN, D.D.
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*
FREDERIC T. LANGZETTEL, *Librarian*

STUDENTS

Maud A. Allan	*New Haven*
Susan M. Alling	*Birmingham*
Emma H. Bacon	*Meriden*
Emma C. Banks	*New Haven*
Ona O. Banks	*New Haven*
Mary J. Bassett	*West Haven*
Mary L. Bates	*Canandaigua, N. Y.*
Carl J. Blenner	*New Haven*
Frank C. Boardman	*Cornwall*
Lucy A. Bradner	*New Haven*
Alice Bronson	*New Britain*
Henry W. Brown	*Waldoboro, Me.*
Fannie C. Burr	*Monroe*
Almira L. Candee	*Bridgeport*
Susan J. Candee	*New Haven*
Mary F. Carew	*New Haven*
Charles T. Carter	*Waterbury*
Carrie E. Coit	*Cleveland, O.*
Sarah J. Deshon	*Meriden*
Caroline K. Eaton	*New Haven*
Sarah W. Foote	*New Haven*
Jessie C. Harger	*New Haven*
Eliza J. Harrison	*New Haven*
Henrietta L. Heness	*New Haven*
Marie Heness	*New Haven*

Emma E. Hill	*New Haven*
Mary E. Hobson	*Wallingford*
Annie S. Johnson	*Fair Haven*
Elizabeth U. Kingsley	*New Haven*
Alice R. Kinney	*Ansonia*
Josephine M. Lewis	*New Haven*
Julie C. Lindsley	*New Haven*
Mary A. McFarland	*New Haven*
Lanora Love	*Coshocton, O.*
Jane C. Newton	*Norwich, N. Y.*
Elizabeth S. Newberry	*New Haven*
Thalia A. Painter	*West Haven*
Elizabeth S. Pitman	*Wallingford*
Martha J. Potter	*New Haven*
Mary R. Prescott	*New Haven*
Emma L. Seely	*Chester, N. Y.*
Harriet Taylor	*Green's Farms*
Mary L. Thorn	*New Haven*
William E. Treat	*Meriden*
Katherine H. Trowbridge	*New Haven*
Nancy B. Trowbridge	*New Haven*
Ethel C. Walker	*New Haven*
Nellie P. Wickwire	*Sheffield, Mass.*
Elmer A. Wolfe	*New Haven*

Also, 84 students from the Sheffield Scientific School.

NOTE—The Art Optional, for members of the Senior class of the Academical Department, does not begin until after the winter vacation, consequently the number of students in that class is undetermined.

SUMMARY OF STUDENTS

Department of Theology - - - - -		99
Department of Medicine - - - - -		31
Department of Law - - - - - -		69
Department of Philosophy and the Arts:		
Graduate Instruction - - -	30	
Undergraduate Academical Department	612	
Sheffield Scientific School -	212	
School of the Fine Arts - - -	49	
		903
		1102
Deduct for names inserted twice -		10
Total - - - - - -		1092

GENERAL STATEMENT

The departments of Instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the COURSES FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each with a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will

in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for some exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The courses of instruction given in the department may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER: Politics and Finance in the History of the United States; Political Economy.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris;* German text-books of Roman Law.

Mr. A. T. HADLEY: Industrial problems of the day.

3. Philological Science; Literature:

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Antiquities.

Dr. J. H. TRUMBULL: The American Indian Languages, especially the dialects of the Algonkin family.

Professor WHITNEY: the general Principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor WILLIAMS: the Chinese Language and Literature.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. Mathematics:

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. Physics; Chemistry; Astronomy:

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Professor CHITTENDEN: Physiological Chemistry.

Dr. WALDO: the Theory and Practice of Micrometry; Practical Thermometry.

See, also, Mathematics, above.

6. Geology; Natural History:

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. Applied Science:

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor DUBOIS: Dynamical Engineering.

8. Fine Arts:

For the instruction open to Graduates in the School of the Fine Arts, see page 74.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and to make the requisite drawings and calculations The fee for graduation is five dollars.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

1. Latin Grammar.
2. Cæsar—four books of the Gallic war, or two books of the Civil war.
3. Cicero—seven Orations.
4. Vergil—Bucolics, and first six books of the Æneid, including Prosody.
5. Ovid—Metamorphoses, 2500 lines.
6. The translation, at sight, of passages from Cicero or Cæsar.
7. The translation into Latin of a connected passage of English Prose. [As special importance will be given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]
8. Roman History—Creighton's Primer of Roman History is suggested, as a basis for instruction.

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9. Greek Grammar.
10. The translation of English into Greek.
11. Xenophon—Anabasis, four books.
12. Homer—Iliad, three books, with Prosody.
13. The translation, at sight, of a passage from some work of Xenophon.
14. Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

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15. Higher Arithmetic—including the metric system of weights and measures.
16. Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.
17. Geometry—Euclid, book first, and the first 33 exercises thereon in Todhunter's edition; or, the first four books in other Geometries, with the above exercises.

Candidates will be allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examina-

tion of the first year, for examination in not more than ten (in which number the translation at sight of Latin and Greek must not be included) of the above subjects, and must be accepted on at least six in order to receive any certificate of partial admission.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (June 26, 27, 28, 1884); *attendance is required at the opening of the examination, at* 9 A. M. *on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1884 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass. (in the rooms of Phillips Academy), in Chicago, in Cincinnati, in St. Louis, and in San Francisco (beginning on Thursday, June 26, at 9 A. M.), at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates may be sufficient to warrant it; applications for this purpose should be sent to the Secretary before June 1.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 16, 17, 1884); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying to be examined at other times must first obtain special permission from the Faculty, and pay to the Treasurer a fee of ten dollars. In general, examinations for admission to the next Freshman Class can only be held at the times above specified; if specially held, a special fee will be charged.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see next page) by the class which they wish to enter. In the

several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS — Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; and students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by the parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE COURSE OF INSTRUCTION occupies four years. In each year there are two terms. The following is a scheme of the studies, or, more correctly, of equivalents which will be accepted from candidates for advanced standing:—

FRESHMAN YEAR:

FIRST TERM—*Greek*—Homer's Odyssey, begun. *Latin*—Livy, begun; Cicero's Second Philippic; Arnold's Latin Composition (to page 150). *Mathematics*—Phillips and Beebe's Graphic Algebra; Todhunter's Euclid, books 3, 4; Chauvenet's Geometry, books 3, 4, 5. *Hygiene*—Lectures.

SECOND TERM—*Greek*—Homer's Odyssey, continued through five books; Herodotus, one book; Boise's Exercises in Greek Syntax (to page 85). *Latin*—Livy, continued through one book; Cicero *de senectute*; Ovid, Ramsay's Selections; Roman Antiquities. *Mathematics*—Chauvenet's Geometry, finished; Richards's Plane Trigonometry, first six chapters. *Rhetoric*—Recitations and Lectures. Compositions.

SOPHOMORE YEAR:

FIRST TERM—*Greek*—Six Orations of Demosthenes. *Latin*—Odes of Horace; Agricola and Germania of Tacitus. *Mathematics*—Richards's Plane Trigonometry, Mensuration, Surveying and Navigation. *Rhetoric*—Compositions.

SECOND TERM—*Greek*—Prometheus of Æschylus; Xenophon's Memorabilia, one book; Antigone of Sophocles; Plato's Apology of Socrates and Crito. *Latin*—Satires and Epistles of Horace; Satires of Juvenal; Cicero *de officiis*. *Mathematics*—Richards's Spherical Trigonometry; Loomis's Analytical Geometry; Dana's Mechanics. *Rhetoric*—Lectures on Elocution, with practice. Declamations. Compositions.

JUNIOR YEAR:

FIRST TERM—*Physics*—Ganot's Physics. *German*—Whitney's Grammar and Reader; German Composition. *English*—Chaucer, Milton; Forensic Disputations. *Chemistry*—Barker's Chemistry; Lectures.

For optional studies *(Latin, Greek, Mathematics, French, Italian, English)* see below.

SECOND TERM.—*Physics*—Ganot's Physics. Lectures. *Rhetoric*—Forensic Disputations. *German*—Whitney's Grammar and Reader; German Composition. *Astronomy*—Loomis's Astronomy. *History*—Doyle's United States. *Logic*—Jevons's Logic.

For optional studies *(Latin, Greek, Mathematics, French, Italian, English, Anglo-Saxon, Zoology, Botany)* see below.

SENIOR YEAR:

FIRST TERM—*Mental Philosophy*—Porter's Human Intellect. Lectures. *Moral Philosophy*—Butler's Sermons; Hopkins' Law of Love. *Geology*—Dana's Geology. *Political Science*—Mill's Political Economy. Lectures. *Rhetoric*—Compositions.

For optional studies *(Latin, Greek, French, German, Spanish, Italian, Sanskrit, Mathematics, Astronomy, Mineralogy, European History)* see below.

SECOND TERM—*Natural Theology and Evidences of Christianity*—Lectures. *Mental Philosophy*—Porter's Intellect, continued. Lectures. *History of Philosophy*—Schwegler's History. *History*—Hallam's Constitutional History. Lectures. *Evolution and Cosmogony*—Lectures. *Rhetoric*—Compositions. *Political and Social Science*—Recitations. Lectures. *Common Law of England and American Constitutional Law*—Recitations and Lectures.

For optional studies *(Philosophy, Latin, Greek, French, German, Spanish, Italian, Sanskrit, Linguistics, Mathematics, Physics, Meteorology, Geology, International Law, Political Science, Fine Arts)* see below.

OPTIONAL STUDIES—Every student is required to have four exercises a week in an optional study, during Junior and Senior years. Change from one optional to another is allowed at the end of Junior year, and also to a new optional when-

ever one is begun. In case an optional is withdrawn before the end of a year, any of the other optionals may be chosen in its place, provided the instructor is upon examination satisfied of the student's fitness to enter the class. A student who can on examination show thorough acquaintance, in advance, with one or more of the required studies of Junior or Senior year, may choose instead a second optional. The following courses of optional studies are provided.

I. PHILOLOGY:

1. ANCIENT LANGUAGES: (*a*) GREEK, through Junior and Senior years, four exercises a week, with Professors Seymour and Tarbell. (*b*) LATIN, through Junior and Senior years, with Professors Thacher and Peck, four exercises a week. (*c*) LATIN and GREEK, two exercises a week in each, through Junior and Senior years, with Professors Thacher, Peck, Seymour and Tarbell. (*d*) SANSKRIT, through Senior year, with Professor Whitney, two double exercises a week.

2. MODERN LANGUAGES AND LITERATURE: (*a*) FRENCH, through Junior and Senior years, four exercises a week, with Professor Knapp; in Junior year, French Composition and Literature, the French language being the only medium of instruction. A thorough knowledge of the elements of the French Language is required of students who choose French as an optional study in Junior year. The examination may be passed at the time of the Sophomore annual examination, or at the beginning of Junior year, and will be upon Keetels' Elementary French Grammar, entire, including the irregular verbs. (*b*) SPANISH, through Senior year, four exercises a week, with Professor Knapp; Grammar and Exercises, with special reference to commercial correspondence and conversation, together with prose readings in living authors, and subsequently readings in Cervantes, Lope de Vega, and Calderon. (*c*) ITALIAN, through Junior and Senior years, four exercises a week, with Professor Bendelari; in Junior year, Grammar, Composition, modern Italian prose; in Senior year, Composition, the classical literature, Dante. (*d*) GERMAN, through the first term of Senior year, four exercises a week, and through the second term two courses, two exercises a week, with Mr. Ripley; Schiller's Piccolomini; Lessing's Minna von Barnhelm and selections from prose; the elements of middle high-German, with readings from that literature. (*e*) ANGLO-SAXON, through the second term of Junior year, with Professor Beers, four exercises a week; Sweet's Anglo-Saxon Reader. (*f*) ENGLISH LITERATURE, through Junior year, with Professors Northrop and Beers, four exercises a week; Shakspere, Spenser, and other authors; History of the Language and Literature.

3. LINGUISTICS. Through the first half of the second term of Senior year, two exercises a week, with Professor Whitney.

II. MENTAL AND MORAL PHILOSOPHY:

With President Porter and Professor Ladd, through the second term of Senior year, two exercises a week.

III. HISTORY AND POLITICAL SCIENCE:

1. HISTORY OF EUROPE, since 1815, through the first term of Senior year, with Professor Wheeler, four exercises a week, and during the remainder of the year two exercises a week; Fyffe's History of Modern Europe.

History of England to 1485, through the first term, four exercises a week; Bright's History of England, vol. i; Stubbs' Constitutional History of England.

2. INTERNATIONAL LAW, through the second half of the second term of Senior year, with Professor Phelps, two exercises a week.

3. POLITICAL ECONOMY, through the second term of Senior year, with Professor Sumner, two exercises a week.

IV. MATHEMATICS AND ASTRONOMY:

1. MATHEMATICS, through Junior and Senior years, four exercises a week, with Professor Newton; Calculus, followed by Analytical Mechanics or Higher Geometry.

2. ASTRONOMY, through the first term of Senior year, four exercises a week, with Professor Loomis; Loomis's Practical Astronomy.

V. MOLECULAR AND TERRESTRIAL PHYSICS:

1. PHYSICS, with practical exercises, through the second term of Senior year, twice a week, with Professor A. W. Wright.

2. METEOROLOGY, through the second term of Senior year, with Professor Loomis, two exercises a week; Loomis's Meteorology.

3. VECTOR ANALYSIS, with applications to Mechanics and Physics, through the first term of Senior year, four exercises a week, with Professor Gibbs.

4. THERMODYNAMICS, through the second term of Senior year, two exercises a week, with Professor Gibbs.

VI. NATURAL SCIENCE AND GEOLOGY:

1. GEOLOGY, through the second term of Senior year, with Professor J. D. Dana, two exercises a week; Dana's Manual.

2. MINERALOGY AND MATHEMATICAL CRYSTALLOGRAPHY, through the first term of Senior year, with Professor E. S. Dana, four exercises a week; Dana's Text Book.

3. BOTANY, through the second half of the second term of Junior year, with Professor Eaton, four exercises a week.

4. ZOOLOGY, through the second half of the second term of Junior year, four exercises a week, with Dr. J. K. Thacher.

VII. FINE ARTS:

Four exercises a week, through the second term of Senior year, under Professor Niemeyer, in Drawing, and Professor Hoppin, in the History of Art. The usual fees in the School of the Fine Arts ($18 for three months are payable.

EXERCISES IN DECLAMATION AND COMPOSITION—The Senior Class have exercises in English composition, and the Junior Class in forensic disputation, through the year. The Sophomore Class during the whole year, and

the Freshman Class during the latter half of the second term, have exercises in English composition.

The Sophomore Class have regular exercises in elocution; and once a week, during a part of the year, have an exercise in declamation before the Professor of Rhetoric and the members of the Class.

PUBLIC EXAMINATIONS are held at the close of the first and at the middle of the second term, on the studies of the term and half-term; and, at the close of the year, on all the studies of the year. The annual examinations are conducted wholly in writing, and continue for about two weeks.

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term began, in 1883, twelve weeks from the day after Commencement-day and continues fourteen weeks; the second term begins in 1884 on the second Thursday in January and continues until Commencement-day, with a spring recess—of eight days—including Easter. See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

[N. B. After the present year the first term will begin one week later, and the Christmas vacation will be shortened one week.]

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading in the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the

close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition is $115, and with incidentals, $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is under five dollars.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from $25 to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:

Treasurer's bill (according to location of room) from	$160 to	$220
Board, 37 weeks,	130 to	260
Fuel, lights, and washing,	30 to	60
Use of text-books and furniture,	30 to	60
Total,	$350	$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns

of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $15,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. No deserving student who will make good use of the opportunities of the College need be deterred from entering it by the cost of tuition. Those needing aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

By the liberality of Mr. W. L. Andrews, of New York city, a well furnished library has been established, containing textbooks and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing such books. Permission to use this library can be obtained from the President.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this department, of not more than three years' standing. He shall pursue non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding about fifty-five dollars a year, is awarded to the student in each Senior class who passes the best examination in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded in each Senior Class to the applicant who has passed the best annual examinations in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and twenty dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE FOOTE SCHOLARSHIPS, yielding five hundred dollars a year, are awarded to graduates of this department, selected by

the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate department of Philosophy and the Arts.

THE WOOLSEY SCHOLARSHIP, being the income of a fund of one thousand dollars, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND of one thousand dollars; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount.

THE W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he pursue for the year after graduation a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any department of the University during the whole of the current college year may compete for this prize.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 51, 48.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The School, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49, 50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part I, is named as indicating the nature and extent of this requirement, and an acquaintance with it will be required unless a satisfactory substitute is offered). (2) Cæsar—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's Æneid, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in Newcomb's Trigonometry to Art. 79, or in Wheeler's or Richards's or Wentworth's Plane Trigonometry. The Logarithmic and Trigonometric Tables furnished at the Examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such cases they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Director of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text-books of Professor Newcomb (Henry Holt & Co., New York) may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt

recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of Syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission in 1884 take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 26, 27, 28 (beginning at 9 A. M. on Thursday); and on Tuesday and Wednesday, September 16, 17 (beginning at 9 A. M. on Tuesday). Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1884 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, in St. Louis, and in San Francisco (beginning on Thursday, June 26, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Director of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special courses.

The special courses most distinctly marked out are the following:

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition *Mathematics*—Spherical Trigonometry (Newcomb's); Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons in the Art School.

SECOND TERM—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's Manual. *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING.

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Drawing*—Descriptive Geometry, concluded; Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical Problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Kinematics*—General Theory of Motion and Principles of Mechanism; Elementary Combinations of Pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for Wheels; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German. French.*

SENIOR YEAR:

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structures; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-heads; Pipe connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis. French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids; Hydrometers, Manometers, Gauges, etc.; Water Pressure Engines and Water Wheels; Construction of Water Reservoirs and Conduits; Measurement of Water Supply; Discharge of pipes. *Thermodynamics*—General principles of Heat employed as a source of power; Theory of the

Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines; Shearing and Pumping Engines; Complete working drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy.*

(d.) IN AGRICULTURE:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany. French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany. Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY:

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Anatomy and Histology*—Laboratory Practice, Lectures and Recitations. *Physiology*—Huxley's; Practical Exercises. *Embryology*—Lectures. *Theoretical Chemistry* — continued. *Mineralogy* — continued. *Botany*—Lectures; Practical Exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—Recitations, Laboratory Practice and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises. Lectures and Excursions. *Geology*—Dana's Manual. *French.*

SECOND TERM—*Physiological Chemistry*—continued. *Experimental Toxicology. Geology*—Dana's Manual. *Zoology*—Lectures. *Sanitary Science*—Lectures. *Laws of Heredity and Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers can pursue the regular course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography* — Guyot; Lectures. *English* — Early English. *History*—Bright's History of England. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Astronomy. Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Bright's History, continued; History of the United States. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology* — Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*——Shakspere, Milton, Dryden, Pope, Gray, and later authors. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4).

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable, $55 at the beginning of the first and second terms, and $40 at the middle of the second term. The student in the Chemical course has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological Laboratory, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For the graduate students the charge for tuition is one hundred dollars per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY, are $10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 52.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with three members by election, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, and Mr. JOHN D. WHEELER.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections; applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline; studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions: the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions: the first is devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

AN ART OPTIONAL, for undergraduate Academical students of the Senior Class, is continued from January 1 to June 1, consisting of four exercises of two and a half hours each, per week, in Drawing, with a weekly lecture on the History of Art.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeleton; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture and Christian Art.

II. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

Secona Division:

DRAWING—casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies of details in various styles; projects—dwelling-houses, stores, public buildings, etc.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is thirty-six dollars for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries: the "Trumbull Gallery" of original portraits and other works, by John Trumbull,

numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other departments of the College.

This department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY consists of the President of the College, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on the Philosophical Basis of Theism; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity,

and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory Dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR:

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigation for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

GRADUATE CLASS—FOURTH YEAR:

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and College libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class or portions of it attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Social Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: Reading of Dillmann's "Commentary on Leviticus," in connection with current discussions.

III. PROFESSOR HARRIS: Examination of Dorner's "System of Christian Doctrine."

IV. PROFESSOR FISHER: The Theology and Church of the Apostolic Age.

V. PROFESSOR DWIGHT: The Origin of the Synoptical Gospels: Discussion of New Testament passages bearing upon Eschatology.

VI. PROFESSOR BARBOUR: Examination of Sermons on which criticism or suggestions may be desired.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. These opportunities for obtaining wider culture, without additional expense, will be of special value to graduates of colleges and others, who desire the means of pursuing studies to which they have not attended, or in which they seek further information.

Those who intend to become Foreign Missionaries have the privilege of attending gratuitously the lectures in the Medical Department.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action

and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Divinity School are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The *Reference Library* of the School, established through the liberality of Mr. Henry Trowbridge of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Bacon Memorial Hall recently erected, between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable *Library of Church Music*, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The *College Library*, to which the students have access without charge, contains over 115,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The Library of the College literary societies, containing about 26,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor of New Haven affords excellent facilities for boating, to those inclined in this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $3.00 to $3.50 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle and Senior Classes, whose circumstances require it, will receive $100 a year from the income of scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid toward the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of Libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, J. B. Beadle, David Root, Rebecca Breed, Mary Goodman, Orin Fowler, Edward Bull, W. W. Seymour, William S. Eakin, and Cassius Welles.

A GRADUATE FELLOWSHIP has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker,

of New Haven. It will be offered for the fifth time to the class entering in September, 1884, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages afforded by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1883-84 began on Thursday, September 13, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 19, 1884.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic in theology.

Blank forms of application for admission to the school may be obtained of the Secretary, Professor George E. Day, New Haven, Conn., or from any of the other professors.

DEPARTMENT OF MEDICINE

THE FACULTY consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, a Demonstrator of Anatomy, a Lecturer on Normal Histology, a Lecturer on Chemistry, a Lecturer on Dermatology, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, and a Lecturer on Ophthalmology.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues for eleven weeks. The second term begins three weeks after the close of the first, and continues for twelve weeks. The third term is eleven weeks in length, ending at Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in the Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Thursday following its close.

In conjunction with other departments of the University, examinations will be held on the Thursday after Commencement in Chicago, Cincinnati, St. Louis, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of five dollars will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of these examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations four times a week. Professor Silliman and Dr. Smith. Chemical Laboratory, four times a week. Professor Silliman and Dr. Smith.

Anatomy: Lectures and recitations five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections four times a week from Nov. 1 to April 1, Dr. C. P. Lindsley. Autopsies, Prof. White.

Histology: Laboratory work once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Professor Thacher.

MIDDLE YEAR:

Anatomy: Lectures and recitations, five times a week, Prof. Sanford and Dr. C. P. Lindsley. Dissections, four times a week from Nov. 1 to April 1, Dr. C. P. Lindsley.

Materia Medica and Therapeutics: Lectures and recitations, three times a week, Prof. Russell.

Physiology: Lectures and recitations, twice a week, Prof. Thacher.

Pathology: Lectures and recitations, once a week, Prof. White. Laboratory work, once a week, Prof. White. Autopsies, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. C. A. Lindsley. Medical Clinic, once a week, Prof. C. A. Lindsley. Clinic for Diseases of the Throat, once a week, Dr. Chapman.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt.

Obstetrics and Diseases of Children: Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR:

Pathology: Lectures and recitations, once a week, Prof. White. Laboratory work, once a week, Prof. White. Autopsies, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Lindsley. Medical Clinic, once a week, Prof. Lindsley. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week, for nine weeks, Dr. Stearns. Lectures on Dermatology, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children: Lectures and recitations twice a week, Prof. Beckwith. Clinic for Diseases of Women, once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY will be taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from text-books are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—Three didactic lectures each week and one clinical lecture are given. At each clinical lecture the students in turn examine each patient before the class and the professor of the department, presenting his diagnostic points for criticism.

Special courses are conducted by Dr. Fleischner on skin diseases, Dr. Ayres on Nervous Diseases, and Dr. Chapman on Diseases of the Throat.

SURGERY—The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearances of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis. A surgical clinic is held once a week at the State Hospital.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

MENTAL DISEASE—A course of lectures on this subject is given by HENRY P. STEARNS, M.D., Superintendent of the Hartford Retreat for the Insane.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday, and a MEDICAL CLINIC at 3 P. M. every Friday; a GYNÆCOLOGICAL CLINIC is held at the State Hospital at 3 P. M. every Thursday.

MEDICAL AND SURGICAL CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations are conducted, when practicable in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually. Three of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the

Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; and must have pursued the studies of the course during three years, at least two of which shall have been passed in a recognized medical college, and the last of the three shall have been passed at this school. He shall also have passed the required examinations in all the studies of the three years' course.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

Before taking his degree a student must have passed all the examinations of the three years satisfactorily to the board of examiners.*

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school), . .	$5.00
Tuition Fee, for one year, ...	125.00
Graduation Fee, ...	30.00

Of the tuition fee for the year, $45 is due at the beginning of the first term, $45 at the beginning of the second term, and $35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the College Treasurer except the graduation fee, which is paid to the Dean.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor C. A. LINDSLEY, Dean.

PRIZE

THE KEESE PRIZE—The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DEPARTMENT OF LAW

THE FACULTY consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, a Professor of Pleading, and a Professor of International Law; Lectures are also delivered by Professor PHELPS on Evidence, by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Origin of Law, and the Administration of Estates, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, FREDERICK H. BETTS, M.A., on Patent Law, and by MORRIS W. SEYMOUR, LL.B., on Corporations.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter term, beginning in January, after a vacation of three weeks, and closing the last Thursday of March; and the Spring term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts

as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law and Criminal Law, Professor Robinson; Contracts, Professor Baldwin; General Jurisprudence, Prof. Platt; Pleading, Prof. Townsend; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Elementary Law and Criminal Law, Prof. Robinson; Contracts, Profs. Baldwin and Townsend; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Code Pleading, Prof. Townsend.

SPRING TERM — Recitations: Corporations, Prof. Baldwin; Contracts, Professors Baldwin and Townsend; Torts, Prof. Platt; Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures: English Constitutional Law, Prof. Wayland; Forensic Elocution, Mr. Bailey.

SENIOR YEAR:

FALL TERM—Recitations: Real Property and Criminal Procedure, Prof. Robinson; Equity, Prof. Platt; Contracts, Professors Baldwin and Townsend. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Corporations, Prof. Baldwin; Estates and Real Property, Prof. Robinson; Equity, Prof. Platt. Lectures: Evidence, Prof. Phelps; American Constitutional Law, Prof. Baldwin; Corporations, Mr. Seymour.

SPRING TERM—Recitations: Real Property, and Estates, Prof. Robinson; Equity, Prof. Platt; Contracts, Prof. Townsend. Lectures: Evidence, Prof. Phelps; Roman Law, and Practice, Prof. Baldwin; Patents, Mr. Betts.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Notes on Elementary Law, Blackstone's Commentaries, Bishop on Criminal Law, vol. i, Bishop on Statutory Crimes, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, and Washburn on Real Property; in Senior year, Parsons on Contracts, Bispham on Equity Jurisprudence, Potter on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop on Criminal Law and Criminal Procedure.

Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION — Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students" conducted under the authority of the Board of Regents of the University of the State of New York.*

* The Regents' Examinations are held at New York City and at the various Academies in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board of Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

Whilst time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801, and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557); Blackstone's Commentaries (except Book 4), Robinson's Notes on Elementary Law, Bishop on Criminal Law, vol. i, Bishop on Statutory Crimes, Heard on Pleading, Townsend on Code Pleading, Greenleaf on Evidence, vol. i, Hawkins on Wills, Woolsey's Introduction to the study of International Law, Cooley on Torts, Washburn on Real Property, vol. i, and Holland on Jurisprudence.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The Graduate Course, occupying two years, is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 97. The vacations are the same as those in the Undergraduate Course in this department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with Jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer. All students, whose means and time allow them to do so, are earnestly recommended to avail themselves of the advantages of the first year of this Course.

The arrangement of the Course is as follows:

JUNIOR YEAR:

Admiralty Law, and Patents, Professor Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law, Prof. Woolsey.

SENIOR YEAR:

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Farnam.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoléon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be regular exercises for those pursuing each year of the course, the preparation for which, with the collateral course of reading prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time. Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by Hon. James E. English, M.A., in 1873), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12.45 P. M., and from 3 to 5.45 P. M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A. M.

The students can also draw books from the general University libraries, containing over 140,000 volumes.

PRIZES are annually awarded as follows:

THE TOWNSEND PRIZE (established by Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

THE JEWELL PRIZE (established by Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior

Class who receives the highest marks at the final examination of his class, at their graduation.

THE BETTS PRIZE (established by Frederic H. Betts, M.A., in 1875), of fifty dollars, to that member of the Junior Class who receives the highest marks at his annual examination.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School Terms.

THE COLLEGE GYMNASIUM is open to members of the Law Department on payment of moderate fees.

DEGREES — In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar.

Degrees are granted in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*, on the recommendation of the Faculty of the Law Department.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L.

Neither degree is conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year; and in the Graduate Course, $50 for the Fall Term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for each year; to be paid to the Treasurer of the College in advance, or secured by a bond to said Treasurer as condition for the payment of said fees. Where payment is not made in advance, interest will be added. The diploma fee is $5. The court fees for admission to the Connecticut Bar, if this is desired, are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this also is desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from five dollars a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY THOMAS M. WALLER, M.A., *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about $140,000, or, with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work and storerooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for storerooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS:

PROFESSOR CHESTER S. LYMAN, M.A., *President*
THOMAS G. BENNETT, PH.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR HUBERT A. NEWTON, LL.D.

OFFICERS:

HUBERT A. NEWTON, LL.D., *Director*
ROBERT BROWN, JR., M.A., *Secretary*
LEONARD WALDO, S.D.
ROBERT W. WILLSON, B.A.
ORRAY T. SHERMAN, B.A.

THE OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin.

The Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete arrangement for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. Apparatus for an extended (automatic) public time service.

4. Apparatus for research and comparison in Thermometry, including comparators, cathetometers, and a collection of the best thermometers obtainable of the foreign makers and Observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VAN NAME, M.A., *Librarian*
FRANKLIN B. DEXTER, M.A., *Assistant Librarian*
J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*
FREDERICK W. WILLIAMS, B.A., *Assistant in the College Library*

THE COLLEGE LIBRARY numbers about 115,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 26,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about .	115,000 vols.
Linonian and Brothers Library, about . . .	26,000 "
Libraries of the Professional Schools, about . .	20,000 "
	161,000

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 27, 1883

ORATIONS

ELIAKIM HASTINGS MOORE, Jr., Valedictory Oration, *Denver, Col.*
FRED WILLIAM KELLOGG, Salutatory Oration, *Red Wing, Minn.*
STEPHEN LEONARD GEISTHARDT, Philosophical Oration, *Norwich*
CHARLES MARTIN KENDALL, Philosophical Oration, *Angelica, N. Y.*
EDWARD INCREASE BOSWORTH, Philosophical Oration, *Elgin, Ill.*
WOOLSEY CARMALT, Philosophical Oration, *New York City*

Allyn C. Loomis, *Windsor*
Chas. C. Sherman, *Syracuse, N. Y.*
Arthur B. Cornwall, *New Haven*
Horace D. Taft, *Cincinnati, O.*
Edward G. Bourne, *Sharon*
William I. Grubb, *Cincinnati, O.*
Carll A. Lewis, *New Haven*
Joseph M. Lewis, *New York City*
T. S. Southworth, *W. Springfield, Mass.*
William Price, *Pottstown, Pa.*
George P. Carroll, *Forestville*
Samuel B. Platner, *Newark, N. J.*

Henry E. Bourne, *Sharon*
Edward T. McLaughlin, *Litchfield*
Arthur E. Bowers, *North Manchester*
George W. Johnston, *Frankfort, Ky.*
Everett J. Esselstyn, *Hollowville, N. Y.*
Clifford S. Kelsey, *Bridgeport*
Walter E. Nettleton, *Stockbridge, Mass.*
Austin L. Bowman, *South Windsor*
Herbert R. Smith, *Norwalk*
Harold Vernon, *Brooklyn, N. Y.*
M. E. Dunham, *Edgartown, Mass.*
Linton Satterthwait, *Trenton, N. J.*
Richard M. Bissell, *Chicago, Ill.*
Arnold G. Dana, *New Haven*
Henry E. Fisk, *Chicago, Ill.*
Daniel S. Knowlton, *Biddeford, Me.*
Chas. C. Clarke, Jr., *Sing Sing, N. Y.*
George C. Jennings, *Cleveland, O.*
Victor E. Helleberg, *Cincinnati, O.*

DISSERTATIONS

John Pierpont, *New Haven*
George H. A. Lyford, *Cincinnati, O.*
David F. Read, *Bridgeport*
Albert Carr, *Collinsville*
Samuel B. Childs, *East Hartford*
Sherman D. Thacher, *New Haven*
Andrew L. Sawyer, *Greenwich*
Frank H. Beede, *Dover, N. H.*
Robert H. Cornish, *Gillette, N. J.*
Irving W. Hart, *Southington*
Harry W. Latham, *Bridgeport*
Henry W. Calhoun, *New York City*
Marcus Morton, Jr., *Andover, Mass.*
Benj. V. Harrison, *Montclair, N. J.*
Joseph J. Rose, *Bridgeport*
Charles E. Sackett, *Westfield, N. Y.*

DISPUTES

William A. Jackson, *Norwalk*
Austin R. Preston, *Buffalo, N. Y.*
Horace G. Hoadley, *New Haven*
Cleveland L. Moffett, *Newton, N. J.*
Charles Halsey, *Brooklyn, N. Y.*
Wilbur E. Houpt, *Somerset, N. Y.*
Sheldon Q. Kerruish, *Cleveland, O.*
William H. Stockwell, *Orange, N. J.*
William Trumbull, *Valparaiso, Chili*
Lucius Boltwood, *New Haven*
Fred. C. Leonard, *Spring Mills, N. Y.*
Clifford D. Ham, *Dubuque, Iowa*

George L. Burton, *New Haven*
Frederick W. Havens, *Bridgeport*
David H. Buel, *Yonkers, N. Y.*
Seward H. Fields, *Atlanta, Ill.*
Samuel R. Jewett, *Chicago, Ill.*
Frank P. Sproul, *Pittsburgh, Pa.*
Charles S. Foote, *Port Henry, N. Y.*
Francis B. Kellogg, *Avon*
James F. Raymond, *Brooklyn, N. Y.*
Joseph H. Nelson, *Aurora, Ill.*
Isaac B. Newton, *Norwich, N. Y.*
Edward E. Smith, *Birmingham*

COLLOQUIES

Henry A. Forchheimer, *Mobile, Ala.*
Joseph R. Parrott, *Oxford, Me.*
Charles W. Burpee, *Waterbury*
Edward N. Dingley, *Lewiston, Me.*
Charles J. Foote, *New Haven*
John F. Crowell, *Hall, Pa.*
F. D. Chamberlain, *West Chester, Pa.*
Arthur L. Fisk, *Northampton, Mass.*
John E. Wayland, *New York City*
Philo C. Black, *Dallas City, Ill.*
Rollin A. Sawyer, Jr., *Greenwich*
Thomas D. Husted, *Peekskill, N. Y.*

Dudley Phelps, *New York City*
Yew Fun Tan, *Kwongtung, China*
Laurent C. Deming, *Hartford*
William H. Merrill, *Brooklyn, N. Y.*
George S. Lynde, *Bangor, Me.*
John A. Moore, *St. Louis, Mo.*
Denison B. Tucker, *New Haven*
George Cromwell, *Brooklyn, N. Y.*
Charles R. Corwith, *Chicago, Ill.*
Henry M. Hoyt, *Kingston, Pa.*
Charles Loughridge, *Chicago, Ill.*

The graduating class numbered one hundred and forty-seven.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 15, 1883

ORATIONS

CHARLES EDWIN BEDELL, *Montclair, N. J.*
GEORGE REDDINGTON BLODGETT, *Bucksport, Me.*
WILBUR FRANKLIN BOOTH, *Easton*
EDWARD CHENERY GALE, *Minneapolis, Minn.*
GUSTAVE FREDERICK GRUENER, *New Haven*
FREDERICK SCHEETZ JONES, *Monroe City, Mo.*
DAVID KINLAY, Jr., *Andover, Mass.*
CHARLES ABERNETHY MEAD, *Darien*
JOHN IRA SOUTHER, *Worcester, Mass.*
SELDEN PALMER SPENCER, *Erie, Pa.*
HENRY BANCROFT TWOMBLY, *Boston, Mass.*
HENRY MILTON WOLF, *Chicago, Ill.*

Frederic S. Allen, *Bridgeport*
Frank O. Ayres, *Oakham, Mass.*
Robert M. Boyd, Jr., *Montclair, N. J.*
Charles E. Carr, *New Haven*
Edward M. Chapman, *Old Saybrook*
James S. Havens, *Weedsport, N. Y.*
Roderick W. Hine, *Lebanon*
Edward A. Lawrence, *Chicago, Ill.*
William T. Nichols, *Cincinnati, O.*
Sydney Stein, *Chicago, Ill.*
Dean A. Walker, *Auburndale, Mass.*

John M. Burnam, *St. Louis, Mo.*
William B. Coley, *Bridgeport*
Frederick K. Curtis, *New York City*
Leonard M. Daggett, *New Haven*
John R. Halsey, Jr., *Brooklyn, N. Y.*
George W. Judson, *Stratford*
Yung Kwai, *Kwontung, China*
Robert H. Lyman, *Holyoke, Mass.*
Vincent C. Peck, *Trumbull*
Ward W. Savery, *Marion, Mass.*
Benjamin Scharps, *Newburgh, N. Y.*
Charles S. Seeley, *Fairfield*
Frank Strong, *Auburn, N. Y.*
William L. Strong, *Pittston, Pa.*
Joseph N. Tuttle, *Madison, N. J.*
Arthur B. Wells, *Chicago, Ill.*
Herbert W. Wolcott, *Columbus, O.*

DISSERTATIONS

Wallace S. Allis, *Brookfield, Vt.*
Samuel A. Booth, *Easton*
Ellsworth Eliot, Jr., *New York City*
Daniel H. Griffing, *Cutchogue, N. Y.*
John Holden, *Bridgeport*
Chas. E. Holmes, *Weeping Water, Nebr.*
Isaac Henry Mayer, *Chicago, Ill.*
Geo. W. Patterson, Jr., *Westfield, N. Y.*
Clarence Nathaniel Platt, *New Haven*
Edwin Lewis Porter, *New Cumberland, W. Va.*
Harry Raup Wagner, *Philadelphia, Pa.*

DISPUTES

James Martin Dawson, *New York City*
Reginald Foster, *Boston, Mass.*
Joseph Glasby Holliday, *St. Louis, Mo.*
Edmund Otis Hovey, *New Haven*
Beirne Lay, *Easton, Md.*
James Otis Lincoln, *Bath, Me.*
Edwin McClellan, *Cambridge, N. Y.*
George Hudson Makuen, *Goshen, N. Y.*
Henry Woodruff Prouty, *Concord, O.*
Joseph Tomlinson, Jr., *Shelton*
Edward Augustus Wright, *Cromwell*

Nelson P. Bigelow, *Chicago, Ill.*
Neville H. Castle, *San Francisco, Cal.*
Edward H. Coley, *Westport*
Charles W. Copeland, *Brooklyn, N. Y.*
Robert W. Hamill, *Chicago, Ill.*
Reinert A. Jernberg, *Fredrikshald, Norway*
Geo. J. McAndrew, *Forestville, N. Y.*
Harry W. Painter, *West Haven*
James H. Penniman, *Philadelphia, Pa.*
James B. Reynolds, *North Haven*
William M. Speer, *Huntington, Pa.*
John T. Swift, *Colchester*
Henry L. Whittlesey, *Old Saybrook*

COLLOQUIES

Wilson Carpenter, *Shekomeko, N. Y.*
Horace E. Hand, *Scranton, Pa.*
Frank C. Hughson, *Albany, N. Y.*
Charles J. Jennings, *Redding*
Charles L. Pardee, *New Haven*
Harry G. Samson, *Cincinnati, O.*
Henry T. Shelton, Jr., *Bridgeport*
Charles A. Watrous, *New Haven*
Nathan G. Williams, Jr., *Detroit, Mich.*
Joseph Wood, *Sayville, N. Y.*
Harry A. Worcester, *Albany, N. Y.*

Julius T. A. Doolittle, *Utica, N. Y.*
Charles E. Eaton, *Orange, N. J.*
Maxwell Evarts, *New York City*
Gerard Fountain, *New York City*
Newell C. Knight, *St. Louis, Mo.*
Alexander Lambert, *New York City*
Henry McCormick, Jr., *Harrisburg, Pa.*
Edward W. Potter, *New Haven*
William H. Sanford, *Newtown*
Ray Tompkins, *Elmira, N. Y.*
Geo. Urquhart, Jr., *Wilkes Barre, Pa.*

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—EDWARD T. MCLAUGHLIN, B.A., Class of 1883.
SOLDIERS' Memorial Fellow—WALTER R. BRIDGMAN, B.A., Class of 1881.
SILLIMAN Fellow—ARTHUR E. BOSTWICK, Ph.D., Class of 1881.

THEOLOGICAL DEPARTMENT:

HOOKER Fellows, Class of 1883—{ JOHN E. BUSHNELL, B.A. / GEORGE W. HENDERSON, M.A.
FELLOW, Class of 1882—CLIFFORD H. SMITH, B.A.

SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT:

BERKELEY Scholar, Class of 1881—EDWIN E. AIKEN, B.A.
LARNED Scholar, Class of 1881—ISAAC THOMAS, B.A.
BRISTED Scholar, Class of 1881—ADRIAN S. VAN DE GRAAFF, B.A.
LARNED Scholar, Class of 1882—FRANK F. ABBOTT, B.A.
CLARK Scholar, Class of 1882—FRANK F. ABBOTT, B.A.
BERKELEY Scholar, Class of 1883—EDWARD G. BOURNE, B.A.
CLARK Scholar, Class of 1883—CARLL A. LEWIS, B.A.
LARNED Scholar, Class of 1883—SAMUEL B. PLATNER, B.A.
W. W. DEFOREST Scholar, Class of 1883—WILLIAM PRICE, B.A.
FOOTE Scholars, Class of 1883—{ ELIAKIM H. MOORE, Jr., B.A. / EDWARD G. BOURNE, B.A.
WOOLSEY Scholar, Class of 1884—GUSTAVE F. GRUENER.
WOOLSEY Scholar, Class of 1885—GUY W. MALLON.
WOOLSEY Scholar, Class of 1886—WILLIAM H. PARKS.

OTHER PREMIUMS AWARDED DURING THE YEAR 1882-3:

UNIVERSITY PRIZE:

JOHN A. PORTER Prize—JOHN WURTS, of the Class of 1884, Department of Law, with honorable mention of GEORGE M. DUNCAN, of the Class of 1884, Department of Theology, and of PHILIP G. BARTLETT, of the Graduate Course, Department of Philosophy and the Arts.

ACADEMICAL DEPARTMENT:

HURLBUT Scholarship, Class of 1886—Charlton M. Lewis.
THIRD Freshman Scholarship, Class of 1886—Oliver Dyer, Jr.
DEFOREST Medal, Class of 1883—Edward T. McLaughlin.
TOWNSEND Premiums for English Composition, Class of 1883—Edward I. Bosworth, Woolsey Carmalt, George P. Carroll, Horace D. Taft, William Trumbull.
COBDEN Club Medal for proficiency in Political Economy, Class of 1883—Edward G. Bourne.
1ST SENIOR Mathematical Prize, Class of 1883—Eliakim H. Moore, Jr.; 2d Prizes, Everett J. Esselstyn, Clifford S. Kelsey.
PREMIUMS for solution of Astronomical Problems, Class of 1883—1st Prize, Eliakim H. Moore, Jr.; 2d Prize—Everett J. Esselstyn.

SCOTT Prize in German, Class of 1883—Charles C. Sherman.

SCOTT Prize in French, Class of 1884— { Joseph G. Holliday. / Frank D. Pavey.

WINTHROP Prizes, Class of 1884—1st Prize, Gustave F. Gruener; 2d Prize, Frederic S. Allen.

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1884:

1st Prize, George H. Makuen; 2d Prizes, Edward M. Chapman, Edward C. Gale, John Holden, George W. Judson, Harry M. Painter, Henry B. Twombly, Henry M. Wolf.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1885:

1st Term: 1st Prizes, Henry deF. Baldwin, John C. Bridgman, Herbert L. Doggett, Guy W. Mallon, Eugene L. Richards, Jr.; 2d Prizes, William M. Carhart, Wilbur L. Cross, Lambert Foster, Frank R. Shipman, Paul I. Welles; 3d Prizes, Charles B. Hobbs, Lyman P. Peet, Robert J. Pitkin, George F. Stacy, Charles S. Wiley.

2d Term: 1st Prizes, Henry deF. Baldwin, John C. Bridgman, Robert J. Pitkin, Eugene L. Richards, Jr., Frank R. Shipman; 2d Prizes, William M. Carhart, Herbert L. Doggett, Charles B. Hobbs, William Jarvis, Paul I. Welles; 3d Prizes, Wilbur L. Cross, Lambert Foster, Guy W. Mallon, Lucius F. Robinson, Richard S. Storrs.

PRIZES FOR DECLAMATION, CLASS OF 1885:

William G. Green, Lucius F. Robinson, Frank R. Shipman, Robert B. Williams.

MATHEMATICAL PREMIUMS:

Class of 1885—1st Prize, Guy W. Mallon; 2d Prizes, Paul I. Welles, Herbert H. White, Levi O. Wiggins; 3d Prizes, Augustin A. Crane, Walter F. Frear, George T. Linsley.

Class of 1886—1st Prizes, Charles W. Pierson, John Whitmore; 2d Prizes, Daniel D. Bidwell, Charlton M. Lewis; 3d Prize, Judson S. Dutcher.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1886:

1st Grade—Abraham L. Fellows, Charlton M. Lewis, William H. Parks, Charles W. Pierson, John C. Schwab; 2d Grade—Daniel D. Bidwell, William A. Brown, Calvin Dickey, Oliver Dyer, Jr., Herbert A. Jaggard, Edward W. Reid.

SHEFFIELD SCIENTIFIC SCHOOL.

Class of 1883:

FOR EXCELLENCE IN CIVIL ENGINEERING, Henry C. Nutt, Jr.

FOR EXCELLENCE IN DYNAMIC ENGINEERING, John Bartholomew, and Frederick E. Beach.

FOR EXCELLENCE IN GERMAN, John Bartholomew.

Class of 1883:

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, Charles P. Farquhar; with honorable mention of Edwin M. Herr, and William W. Nichols.

Class of 1884:

FOR EXCELLENCE IN ALL THE STUDIES OF FRESHMAN YEAR, John V. Hanna: with honorable mention of Charles D. McCandliss.

FOR EXCELLENCE IN GERMAN, Louis M. Schmidt.

FOR EXCELLENCE IN MATHEMATICS, John V. Hanna.

FOR EXCELLENCE IN PHYSICS, John V. Hanna.

FOR EXCELLENCE IN CHEMISTRY, James J. Morgan.

FOR EXCELLENCE IN MECHANICAL DRAWING, John J. Flather, and Sydney A. Reeve.

FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prizes, Grenville F. Allen, Charles D. McCandliss; 2d Prizes, Robert N. Brace, Wallace S. Clark, John E. Hill, Louis M. Schmidt; 3d Prizes, Merritt M. Clark, John J. Flather, Irving C. Gladwin, John V. Hanna.

DEPARTMENT OF LAW

TOWNSEND PRIZE ($100), for pronouncing the best oration at graduation—Daniel W. Lawler, B.A. Georgetown College.

Committee of Award: Hon. Marcus Morton, LL.D., Andover, Mass.
Gen. Edmund L. Dana, Wilkesbarre, Pa.
Col. Edward P. Nettleton, Boston, Mass.

JEWELL PRIZE ($50), for the best examination at graduation—Sain Welty, B.A. Illinois Wesleyan University.

BETTS PRIZE ($50), for the best examination on the studies of Junior year—William E. Talcott, B.A. Mt. Union College.

HONORS:

SENIOR CLASS

Degree of LL.B., *Magna cum laude.*

Nathaniel T. Guernsey, B.A.
Daniel W. Lawler, B.A. Georgetown Coll.
Sain Welty, B.A. Ill. Wesleyan Univ.

Degree of LL.B., *cum laude.*

Howard J. Curtis, B.A.
Louis B. Hasbrouck, B.A.
George W. Wheeler, B.A.

JUNIOR CLASS

Russell A. Bigelow, B.A.
Edward B. Graves, B.A.
Seymour C. Loomis, B.A.
Frank A. McIntosh, B.A.
Wm. E. Talcott, B.A. Mt. Union Coll.
Sherman L. Whipple, B.A.

The last edition of the Triennial Catalogue of the Graduates was published in 1883. Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

The Annual Catalogue will be sent regularly to all graduates who may express the desire to receive it, and who furnish their addresses for the purpose.

For Catalogues and other information, address

THE SECRETARY OF YALE COLLEGE,

NEW HAVEN, CONN.

ERRATUM—Page 58, line 12, for twelve read eleven.

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the Various Departments,

1884–85

NEW HAVEN:
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS
1884

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the Various Departments,

1884–85

NEW HAVEN:
TUTTLE, MOREHOUSE & TAYLOR, PRINTERS
1884

ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

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CALENDAR

1884		
18 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
25 Sept.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Wednesday	School of the Fine Arts, term begins.
1 Oct.	Wednesday	Examination for admission, Department of Medicine.
2 Oct.	Thursday	First Term, Department of Medicine, begins.
22 Dec.	Monday	FIRST TERM ends.

Winter Vacation of two weeks.

1885		
6 Jan.	Tuesday	SECOND ACADEMICAL TERM begins.
26 March	Thursday	Winter Term, Department of Law, ends.
26 March	Thursday	Junior Exhibition.
1 April	Wednesday	SPRING ACADEMICAL RECESS begins.
8 April	Wednesday	SPRING ACADEMICAL RECESS ends.
9 April	Thursday	Spring Term, Department of Law, begins.
16 April	Thursday	Third Term, Dep't. of Medicine, begins.
6 May	Wednesday	Berkeley Scholarship Examination.
18 May	Monday	Woolsey Scholarship Examination begins.
18 May	Monday	Winthrop Prize Examination.
19, 20 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
21 May	Thursday	Anniversary, Department of Theology.
30 May	Saturday	School of the Fine Arts, term ends.
19 June	Friday	DeForest Prize Speaking.
21 June	Sunday	Baccalaureate Sermon.
22 June	Monday	Presentation for Degrees, Academical Dep't.
22 June	Monday	Anniversary of the Department of Medicine.
23 June	Tuesday	Anniversary of the Society of Alumni.
23 June	Tuesday	Anniversary of the Sheffield Scientific School.
23 June	Tuesday	Anniversary of the Department of Law.
24 June	Wednesday	COMMENCEMENT.
25, 26, 27 June	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.

Summer Vacation of thirteen weeks.

22, 23 Sept.	Tuesd., Wedn.	Examinations for admission.
24 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
24 Sept.	Thursday	Fall Term, Department of Law, begins.
30 Sept.	Wednesday	Examination for admission, Department of Medicine.
1 Oct.	Thursday	First Term, Department of Medicine, begins.
24 Dec.	Thursday	FIRST TERM ends.

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THOMAS H. RUSSELL, M.D.

WILLIAM O. AYRES, M.D., *Lecturer on Nervous Diseases*

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S. HARTWELL CHAPMAN, M.D., *Lecturer on Diseases of the Throat and Ear*

SAMUEL B. ST. JOHN, M.D., *Lecturer on Ophthalmology*

T. MITCHELL PRUDDEN, M.D., *Lecturer on Normal Histology*

C. PURDY LINDSLEY, M.D., *Demonstrator in Anatomy*

HENRY FLEISCHNER, M.D., *Lecturer on Dermatology*

HERBERT E. SMITH, M.D., *Instructor in Chemistry*

FRANK H. WHEELER, M.D., *Assistant in Pathology*

SENIOR CLASS

Charles Frederick Dibble	*New Haven*	105 Wall st.
William Ellison Lockwood, PH.B.	*Stamford*	146 Dixwell av.
		SENIOR CLASS, 2

MIDDLE CLASS

Benjamin Safford Barrows, PH.B.	*Hartford*	363 Elm st.
Charles Henry Brockett	*New Haven*	351 York st.
Harry Thomson Clarke	*New Haven*	1166 Chapel st.
Alfred Wagstaff DuBois	*New Haven*	328 Howard av.
Robert Ogden DuBois, PH.B.	*New Haven*	328 Howard av.
Edward George Madden	*New Britain*	61 Prospect st.
George Howard Pierce, B.A. Bowdoin College	*Portland, Me.*	215 York st.
James William Sears	*New Haven*	24 Prince st.
Jay Webber Seaver, B.A.	*New Haven*	1 TR.
Charles Worthington Vishno	*New Haven*	9 Olive st.
		MIDDLE CLASS, 10

JUNIOR CLASS

Henry Osborn Carrington, PH.B.	*New Haven*	1169 Chapel st.
James Edward Carter	*New Haven*	121 Elm st.
George Frederick Converse	*New Haven*	38 Lynwood st.
Louis Edward Cooper, PH.B.	*Ansonia*	41 High st.
George B. Correll	*Ansonia*	41 High st.
G. Skiff Ford	*New Haven*	55 Silver st.
Charles Augustus Graeber	*Meriden*	Meriden
Lawrence George Hanley, B.A. Niagara Univ.	*Ansonia*	Ansonia
Jonas Jacobs	*New Haven*	12 Day st.
Francis Bartlett Kellogg, B.A.	*Avon*	38 Hoadley B'ld'g.
Charles Clarckson Kenyon	*New Haven*	138 York st.
Edward Michael McCabe, B.A. Manhattan College	*New Haven*	47 Washington st.
Warren Chamberlain McFarland	*New Haven*	67 Mansfield st.
Stephen John Maher	*New Haven*	203 East st.
Joseph Parker Trowbridge, B.A.	*New Haven*	41 College st.
		JUNIOR CLASS, 15

SUMMARY

SENIOR CLASS,	2
MIDDLE CLASS,	10
JUNIOR CLASS,	15
TOTAL,	27

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Prof. ARTHUR M. WHEELER, B.A., *English Constitutional History*
Prof. WILLIAM G. SUMNER, B.A., *Political and Social Science*
Prof. HENRY W. FARNAM, M.A., R.P.D., *Political Economy*

GRADUATE STUDENTS

Edward Buttrick Graves, B.A., LL.B., Attorney at Law	*New Haven*	101 Grove st.
James Thomas Moran, LL.B., Attorney at Law	*New Haven*	55 White st.
Arthur Sherwood Osborne, B.A., LL.B., Attorney at Law	*New Haven*	260 Crown st.
William Scranton Pardee, B.A., LL.B., Attorney at Law	*New Haven*	581 George st.
Edward Vilette Raynolds, LL.B. Columbia College, M.L., Attorney at Law	*Grand Rapids, Mich.*	116 W.
Wm. Ellsworth Talcott, B.A. *Mt. Union Coll.*, LL.B., Attorney at Law	*Jefferson, O.*	255 Atwater st.
George Dutton Watrous, B.A., M.L., Attorney at Law	*New Haven*	24 College st.

GRADUATES, 7

SENIOR CLASS

Francis Gibbons Beach, B.A.	*New Haven*	320 Temple st.
George Shepard Boltwood, B.A.	*New Haven*	77 Wall st.
Edmund Butler, Jr., B.S. Kansas State University	*Fort Keogh, M. T.*	81 Park st.
William Euston Butler, C.E. Pa. Military Academy	*Charleston, S. C.*	128 High st.
Francis Davis Chamberlain, B.A.	*West Chester, Pa.*	65 Grove st.
Joseph Walter De la Cour	*Baltimore, Md.*	71 Whalley av.
Andrew James Ewen	*Birmingham*	38 Hoadley B'ld'g.
John Francis Fitzpatrick	*Waterbury*	125 Dwight st.
Sterling Price Gilbert, B.S. Vanderbilt Univ., Attorney at Law	*Columbus, Ga.*	Tremont House
Henry Freeman Guerin, Attorney at Law	*Columbus, O.*	128 High st.
Samuel Newhall Hawkes, B.A.	*New Haven*	31 York sq.
Clifton Earl Holland, M.S. Iowa University	*Mt. Pleasant, Iowa*	39 Whalley av.
Charles King Holliday, Jr., B.A. Washburn College	*Topeka, Kan.*	90 Wall st.
Louis Kossuth Hull, B.A.	*New Haven*	312 Elm st.
George Pratt Ingersoll, B.A. Trinity College	*New Haven*	85 Trumbull st.
Stiles Judson, Jr.	*Stratford*	72 High st.
John Watts Jump, B.S. Christian University, Mo.	*Louisiana, Mo.*	128 High st.
Frank Albert Kellogg, B.A.	*New Haven*	305 George st.
Edward James Kenny	*Newark, N. J.*	179 Church st.
Alfred Beard Kittredge, B.A.	*East Jaffrey, N. H.*	251 Crown st.
Fred. Brainerd Mitchell	*New Britain*	118 York st.
Samuel Clinton Morehouse	*Fairfield*	111 York st.
Joseph Robinson Parrott, B.A.	*Oxford, Me.*	312 Elm st.
Wilson Howard Pierce, B.A.	*Brookfield Center*	22 White's B'ld'g.
Herman Daniel Pryibil	*New York City*	7 College st.
Everett Smith, B.A.	*Birmingham*	38 Hoadley B'ld'g.
Hugh Capner Stover	*Erwinna, Pa.*	65 Grove st.
James Henry Taylor	*Bergen Point, N. Y.*	111 Orange st.
John Grant Tod	*Harrisburg, Texas*	111 York st.
William Waldo Twaddle, B.A. Bates College	*Lewiston, Me.*	46 Insurance B'ld'g.
Charles Fremont Watts, B.A. Wooster College	*Ottawa, O.*	7 College st.

SENIOR CLASS, 31

JUNIOR CLASS

Charles Kingsbury Billings, B.A.	*New Haven*	65 Trumbull st.
Clement Stevens Bissell	*Charleston, S. C.*	128 High st.
Lucius Boltwood, B.A.	*New Haven*	77 Wall st.
James Nicholas Cannon	*New Haven*	228 Hamilton st.
Charles Eugene Carr, B.A.	*New Haven*	467 Congress av.
Albert Stevens Cram	*Norwalk*	Norwalk
Charles Francis Davies	*Topeka, Kan.*	113 York st.
George Henry Fishe	*New Haven*	29 Clark st.
Raymond Hoagland	*Brooklyn, N. Y.*	35 High st.
John McKean, Jr.	*New Haven*	601 Chapel st.
Leavitt King Merrill, B.A. Univ. of Michigan	*St. Paul, Minn.*	74 Whalley av.
William Carl Mueller	*Meriden*	Meriden
Fred. Adriance Osborn	*New Haven*	232 York st.
Frank Dunlap Pavey, B.A.	*Washington C. H., O.*	139 Elm st.
Alfred Haynes Porter, Jr.	*Brooklyn, N. Y.*	35 High st.
Philip Neri Robinson	*New Haven*	137 Edwards st.
Henry Jacob Ryder, B.A.	*New Haven*	70 Hallock st.
Henry Tweedy Shelton, Jr., B.A.	*Bridgeport*	Bridgeport.
William McMurtrie Speer, B.A.	*Huntingdon, Pa.*	1187 Chapel st.
John Henry Stevenson, Jr., B.A.	*Brooklyn, N. Y.*	10 Howe st.
Frank Strong, B.A.	*Auburn, N. Y.*	180 L.
Sherman Day Thacher, B.A.	*New Haven*	255 Crown st.
Frank Thomas	*New York City*	1173 Chapel st.
Robert Henry Thompson, Jr.	*Brooklyn, N. Y.*	1187 Chapel st.
Henry Raup Wagner, B.A.	*Philadelphia, Pa.*	113 York st.
Levi Gordon Warner	*Norwalk*	Norwalk.
Benjamin Streeter Warren	*Detroit, Mich.*	1215 Chapel.
Charles Ansel Watrous, B.A.	*New Haven*	63 Whitney av.
Edward Livingston Wells	*Southport*	86 Whitney av.
Fred. Meeker Williams	*New Preston*	Orange and Grove sts.

JUNIOR CLASS, 30

SUMMARY

GRADUATE CLASS,	7
SENIORS,	31
JUNIORS,	30
TOTAL,	68

DEPARTMENT OF PHILOSOPHY AND THE ARTS

FACULTY

Rev. NOAH PORTER, D.D., LL.D., President
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RUSSELL H. CHITTENDEN, Ph.D.
HENRY W. FARNAM, M.A.

GRADUATE STUDENTS

Frank Frost Abbott, B.A.	*Redding*	100 W.
Erwin Hinckley Barbour, B.A.	*Oxford, O.*	100 W.
Samuel Eben Barney, PH.B.	*New Haven*	283 Orange st.
John Bartholomew, PH.B.	*Guilford*	Guilford
Edward Blake, PH.B.	*New Haven*	149 Temple st.
Wilbur Franklin Booth, B.A.	*Easton*	312 Elm st.
Edward Gaylord Bourne, B.A.	*New Haven*	106 Grove st.
Boyle Gill Boyle, B.A. Centre College	*Danville, Ky.*	123 York st.
John Miller Burnam, B.A.	*St. Louis, Mo.*	393 Temple st.
Albert Park Campbell, PH.B.	*New Haven*	28 York sq.
Herbert DeWitt Carrington, PH.B.	*New Haven*	1169 Chapel st.
George Wyckoff Cummins, PH.B.	*Vienna, N. Y.*	289 York st.
Arnold Guyot Dana, B.A.	*New Haven*	24 Hillhouse av.
Carlton Alexander Foote, B.A.	*New Haven*	347 Howard av.
Harry Holbrook Gladding, PH.B.	*New Haven*	170 Martin st.
John Pancoast Gordy, M.A. Wesleyan University	*Salisbury, Md.*	161 York st.
George Herbert Graves, B.A.	*New Haven*	101 Grove st.
Gustave Frederick Gruener, B.A.	*New Haven*	13 Whiting st.
Arthur Pinckney Hall, B.D., B.A. Drury College	*North Springfield, Mo.*	46 E.
Duane Judson Kelsey, PH.B.	*Killingworth*	228 Crown st.
Alexander Lambert, B.A.	*New York City*	90 High st.
Joseph McKeen Lewis, B.A.	*New York City*	12 Whalley av.
Charles Newton Little, M.A. University of Nebraska	*Lincoln, Nebr.*	314 York st.
Winfred Robert Martin, M.A. College of N. J.	*Hartford*	Hartford
Eliakim Hastings Moore, Jr., B.A.	*Denver, Col.*	312 Elm st.
William Wallace Nichols, PH.B.	*Manitou Springs, Col.*	289 York st.
Thomas Burr Osborne, B.A.	*New Haven*	260 Crown st.
Harry McMahon Painter, B.A.	*West Haven*	4 E.
Louis Valentine Pirsson, PH.B.	*New York City*	8 Prospect pl.
Samuel Ball Platner, B.A.	*Newark, N. J.*	81 Wall st.
Julius Howard Pratt, Jr., B.A.	*Montclair, N. J.*	125 Dwight st.
William Price, B.A.	*Pottstown, Pa.*	Paris, France
William Edwin Safford, Ensign U. S. Navy	*Chillicothe, O.*	150 College st.
William Tuttle Shepard, PH.B.	*Bristol*	17 College st.
Herbert Eugene Smith, PH.B., M.D. University of Pa.	*New Haven*	76 Howe st.
John Prentice Terry, PH.B.	*Brooklyn, N. Y.*	90 High st.
Franklin Eldred Worcester, B.A., PH.B.	*New York City*	72 W.

GRADUATE STUDENTS, 37

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WALTER R. BRIDGMAN, B.A.
J. ERNEST WHITNEY, B.A.
EDWARD T. McLAUGHLIN, B.A.

SENIOR CLASS

Ernest Rufus Adee	*Westchester, N. Y.*	208 D.
Clifford Butler Allen	*St. Louis, Mo.*	223 D.
Henry Burrall Anderson	*New York City*	216 D.
John Hulett Arnot	*Elmira, N. Y.*	203 D.
Francis Peck Bacheler	*Woodstock*	76 N. M.
Lucius Olmsted Baird	*Chicago, Ill.*	218 D.
Henry deForest Baldwin	*New York City*	204 D.
Walter Sterrett Baldwin	*Chicago, Ill.*	168 F.
Frederic McLeod Barbour	*New Haven*	231 York st.
Frederic Barnard	*Poughkeepsie, N. Y.*	120 York st.
Jonathan Barnes	*Springfield, Mass.*	8 S.
Samuel Reading Bertron	*Port Gibson, Miss.*	219 D.
Joseph Augustus Blake	*New Haven*	144 F.
John Henry Booth	*Vergennes, Vt.*	8 S.
Boyle Gill Boyle, B.A. Centre College	*Danville, Ky.*	141 F.
Robert Seymour Bradley	*New Haven*	10 S.
Frank Bosworth Brandegee	*New London*	228 D.
John Cloyse Bridgman	*Cleveland, O.*	15 S.
John Horatio Briggs	*Auburn, Me.*	1 S.
Oliver Percy Bright	*Wilmington, Del.*	219 D.
John Laidlaw Buel	*Litchfield*	16 S.
Colin Sherman Buell	*Madison*	101 N.
Lewin Frank Buell	*Madison*	101 N.
Samuel Davis Capen	*St. Louis, Mo.*	223 D.
Charles Lyman Carhart	*Peekskill, N. Y.*	145 F.
William Merle Carhart	*Peekskill, N. Y.*	145 F.
William Scoville Case	*Granby*	233 D.
Edward Herrick Chandler	*Auburndale, Mass.*	23 S.
Harry Goodnow Chase	*Chicago, Ill.*	54 S. M.
Sidney Morse Colgate	*Orange, N. J.*	13 S.
Richard Collins Colt	*New York City*	53 S. M.
Henry Buckelew Cosgrove	*Flatbush, N. Y.*	6 S.
Augustin Averill Crane	*New Haven*	7 S.
Wilbur Lucius Cross	*Gurleyville*	90 N. M.
Charles Elbridge Cushing	*Bath, Me.*	24 S.
Colman Ward Cutler	*New London*	217 D.
William M. Derby, Jr.	*Chicago, Ill.*	233 D.
George Stuart Dickinson	*Worcester, Mass.*	17 S.
Charles Stuart Dodge	*New York City*	179 L.
Herbert Lionel Doggett	*Kansas City, Mo.*	216 D.
Wilfred Ernest Eaton	*Brick Church, N. J.*	235 D.
Richard Ellis	*Peekskill, N. Y.*	22 S.

Albert Heman Ely	*Elyria, O.*	206 D.
William David Evans	*Rockville*	61 S. M.
Walter Farwell	*Chicago, Ill.*	12 S.
John Dennis Ferris	*Chatham, N. J.*	26 S.
Henry Richmond Flanders	*West Tisbury, Mass.*	12 S.
John Couch Flanders	*Portland, Oregon*	225 D.
Charles Northrop Flint	*Port Henry, N. Y.*	76 N. M.
Lambert Foster	*Plainfield, N. J.*	218 D.
Walter Francis Frear	*Oakland, Cal.*	90 N. M.
Henry Fresenius	*New Haven*	17 S.
Harlow Stearns Gale	*Minneapolis, Minn.*	25 S.
John William Gavin	*New Haven*	90 Orchard st.
Edward Augustus George	*Providence, R. I.*	227 D.
Lafayette Blanchard Gleason	*Delhi, N. Y.*	234 D.
Kenyon Gorham	*New York City*	210 D.
Herbert Ridgway Green	*Reading, Pa.*	144 F.
William Gregory Green	*New Milford*	15 S.
James Hall	*New Haven*	42 Spring st.
Charles Edward Harris, Jr.	*Brooklyn, N. Y.*	39 S. M.
Henry Knabb Harrison	*Birdsboro, Pa.*	146 F.
Benjamin Kaye Heaton	*Philadelphia, Pa.*	38 S. M.
Edward Neblett Hidden	*Cincinnati, O.*	85 N. M.
Charles Buxton Hobbs	*Brooklyn, N. Y.*	220 D.
Philip Parley Hubbard	*Litchfield*	149 F.
Stanton Benette Hume	*Silver Creek, Ky.*	151 F.
William Jarvis	*Louisville, Ky.*	229 D
James Richard Joy	*Groton, Mass.*	11 S.
James Benjamin Keogh	*Chicago, Ill.*	226 D.
Robert Bage Kerr	*New York City*	202 D.
Hervey DeLoss Leland	*Utica, N. Y.*	350 George st.
George Thomas Linsley	*New Haven*	7 S.
John Loman	*Philadelphia, Pa.*	26 S.
John McHenry	*Pikesville, Md.*	9 S.
Guy Ward Mallon	*Cincinnati, O.*	9 S.
Louis Austin Mansfield	*New Haven*	70 Lyon st.
William Maxwell	*Rockville*	209 D.
James Alfred Merrill	*Rutland, Vt.*	135 College st.
William Procter Morrison	*Cincinnati, O.*	20 S.
David Winfield Mulvane	*Topeka, Kansas*	225 D.
John Andrew Myers	*Columbia, Pa.*	202 D.
Charles Dwight Napier	*Brooklyn, N. Y.*	209 D.
Edwin Franklin Norton	*Preble, N. Y.*	22 S.
Atherton Noyes	*Wilmington, Mass.*	23 S.
Manly Dayton Ormes	*Tuscola, Mich.*	38 S. M.
John Stone Pardee	*New Haven*	7 S.
John Palmer Parsons	*Rye, N. Y.*	13 S.
Lyman Plimpton Peet	*West Haven*	92 N. M.
William Fellows Peet	*Philadelphia, Pa.*	234 D.
Edward Bunnell Phelps	*New Haven*	168 F.

Robert James Pitkin	*Pueblo, Col.*	226 D.
John Winthrop Platner	*Newark, N. J.*	229 D.
David Plessner	*Holden, Mo.*	1 S.
Oramel Whittlesey Pratt	*Salem*	34 S. M.
Eugene Lamb Richards, Jr.	*New Haven*	135 College st.
Edwin Wales Robertson	*Columbia, S. C.*	10 S.
Lucius Franklin Robinson	*Hartford*	14 S.
George Augustus Sanderson	*Littleton, Mass.*	11 S.
Robert Alfred Sands	*New York City*	147 F.
Emile Adolfe Schultze, Jr.	*Hoboken, N. J.*	208 D.
Conrad Shamel Sheive, Jr.	*Norristown, Pa.*	146 F.
Frank Robinson Shipman	*Hartford*	14 S.
Joseph Cornelius Smith	*Brookfield*	114 N.
George Fitch Stacy	*Stacyville, Iowa*	34 S. M.
Carrington Riverius Stiles	*East Bloomfield, N. Y.*	17 Wooster pl.
Richard Salter Storrs	*Orange, N. J.*	217 D.
Otis Strong	*Auburn, N. Y.*	180 L.
Wyllys Terry	*Brooklyn, N. Y.*	212 D.
Arthur Lloyd Tomes	*Brooklyn, N. Y.*	235 D.
William Thomas Tomlinson	*Milton, Del.*	69 N. M.
Joseph Hendley Townsend	*New Haven*	235 D.
Frank Van Allen	*Ravenswood, Ill.*	92 N. M.
George Edgar Vincent	*Plainfield, N. J.*	24 S.
Charles Lewis Way	*Hartford*	227 D.
Paul Irving Welles	*Fayetteville, N. Y.*	180 L.
Theodore Winthrop Weston	*Irvington, N. Y.*	172 F.
William Taylor Glidden Weymouth	*Beaufort, S. C.*	210 D.
Herbert Henry White	*New Haven*	114 N.
Levi Olmsted Wiggins	*Newburgh, N. Y.*	85 N. M.
Charles Samuel Wiley	*Charleston, Ill.*	25 S.
Robert Bradford Williams	*Augusta, Ga.*	61 S. M.
Wolff Willner	*New Haven*	157 Bradley st.
George Heber Woodhull	*Baiting Hollow, N. Y.*	181 L.
Wilfred James Worcester	*New York City*	204 D.

SENIORS, 125

JUNIOR CLASS

Charles Francis Adams	*Westport*	28 S.
John Charles Adams	*Oakland, Cal.*	56 W.
Norman Ilsley Adams	*Boston, Mass.*	123 N.
Warren Austin Adams	*Skaneateles, N. Y.*	134 F.
Joseph Lincoln Adler	*Cincinnati, O.*	164 F.
Zachariah Nelson Allen	*Brooklyn, N. Y.*	224 D.
Arthur Nathaniel Alling	*New Haven*	189 C.
Henry Semple Ames	*St. Louis, Mo.*	166 F.
Paul Kimball Ames	*Minneapolis, Minn.*	103 N.
William Burrall Anderson	*New York City*	232 D.
Benjamin Harris Anthony	*New Bedford, Mass.*	105 N.
Robert Appleton	*New York City*	232 D.
Bartlett Arkell	*Canajoharie, N. Y.*	222 D.
Edward Sawyer Bacon	*Dover, N. H.*	157 F.
Charles Lukens Bailey, Jr.	*Harrisburg, Pa.*	231 D.
Harvey Brown Bashore	*West Fairview, Pa.*	87 N. M.
Everett Alanson Bates	*Danielsonville*	31 S.
John Beadle	*New Haven*	137 College st.
Porter Beardsley	*Auburn, N. Y.*	239 D.
Daniel Doane Bidwell	*East Hartford*	72 N. M.
Louis Bennett Bishop	*New Haven*	214 D.
George Hathaway Bixby	*Los Angeles, Cal.*	29 S.
Edward Newton Brandegee	*Berlin*	138 F.
William Partridge Brandegee	*Elizabeth, N. J.*	215 D.
Samuel Kimball Bremner	*Boxford, Mass.*	139 F.
William Sinclair Brigham	*Savannah, Ga.*	231 D.
Joseph Sharswood Brinton	*Philadelphia, Pa.*	159 F.
Cornelius Gardner Bristol	*Milford*	37 S. M.
Ellis Henry Roberts Brooks	*New York City*	137 F.
Henry Stanford Brooks, Jr.	*San Francisco, Cal.*	228 D.
William Adams Brown	*New York City*	170 F.
Carl Darling Buck	*Bucksport, Me.*	211 D.
James William Calderwood	*Haverhill, Mass.*	74 N. M.
Wilson Lee Cannon, Jr.	*Dover, Del.*	69 N. M.
William White Capron	*Albany, N. Y.*	214 D.
George Elias Carter	*Chicopee Falls, Mass.*	221 D.
Theophilus Ransom Carter	*Erie, Pa.*	130 F.
Wilson Catherwood	*Philadelphia, Pa.*	206 D.
Lawrence William Churchill	*Oswego, N. Y.*	159 F.
Charles Franklin Clarke	*Columbia*	30 S.
Charles Nelson Codding	*Collinsville*	221 D.
Austen Colgate	*Orange, N. J.*	174 F.
Michael Francis Connor	*Chicopee, Mass.*	49 S. M.
Francis Rexford Cooley	*Hartford*	176 F.

John Joseph Corkery	*Norwich*	49 S. M.
Gibbons Gray Cornwell	*West Chester, Pa.*	132 F.
Alfred Cowles, Jr.	*Chicago, Ill.*	177 F.
Stanford Tappan Crapo	*New Bedford, Mass.*	105 N.
William Randall Crawford	*Chicago, Ill.*	238 D.
William Williams Crehore	*Cleveland, O.*	6 S.
Thomas Darling	*Wilkes Barre, Pa.*	143 F.
Benjamin Joseph Davis	*New Haven*	285 Orange st.
Thomas Mills Day, Jr.	*Hartford*	215 D.
Calvin Dickey	*Cincinnati, O.*	103 N.
Thomas Frank Dougherty	*Waterbury*	88 N. M.
Judson Shultz Dutcher	*Ellenville, N. Y.*	31 S.
Percy Edgar	*New York City*	134 F.
George Edwin Eliot, Jr.	*Clinton*	106 N.
Abraham Lincoln Fellows	*Norwich*	37 S. M.
George Otis Fellows	*Norwich*	37 S. M.
Richard Thomas Francke	*New York City*	237 D.
William Morgan Gallup	*Norwich*	40 S. M.
Arthur Goebel	*Covington, Ky.*	116 N.
Nicholas Minor Goodlett, Jr.	*Evansville, Ind.*	238 D.
Chauncey William Goodrich	*New Haven*	174 F.
William Burton Goodwin	*Biddeford, Me.*	158 F.
Willis Horace Goodyear	*New Haven*	42 S. M.
Louis Moen Grant	*Chicago, Ill.*	160 F.
Walter Greenwood Graves	*New Haven*	101 Grove st.
John King Griffith	*Cynthiana, Ky.*	131 F.
Charles Jared Griggs	*Waterbury*	156 F.
Edwin Trowbridge Hall	*Binghamton, N. Y.*	237 D.
Lewis Birely Hamilton	*Waterbury*	135 F.
Henry Earl Hard	*Chicago, Ill.*	107 N.
Charles Edward Hellier	*Bangor, Me.*	29 S.
William Pirtle Herod	*Indianapolis, Ind.*	165 F.
Ralph Hickox	*New York City*	175 F.
Henry Ewing Hord	*Indianapolis, Ind.*	167 F.
Frederick Buell Hungerford	*Adams, Mass.*	211 D.
Washington Irving Hunt	*Columbus, Mich.*	103 W.
Charles Livingston Hyde	*Plainfield, N. J.*	224 D.
Herbert Armstrong Jaggard	*Altoona, Pa.*	131 F.
Charles Henry Jeffras	*Cincinnati, O.*	88 N. M.
George Lyle Kingsley	*Rome, N. Y.*	6 High st.
Willey Lyon Kingsley	*Rome, N. Y.*	6 High st.
Wallace Percy Knapp	*New York City*	162 F.
David Denison Lambert	*New Haven*	163 Bradley st.
Elliot Cowdin Lambert	*New York City*	143 F.
Edward Bowman Leaf	*Birdsboro, Pa.*	165 F.
Dudley Leavitt	*West Stockbridge, Mass.*	28 S.
James Wright Lee, Jr.	*Cleveland, O.*	47 S. M.
Charlton Miner Lewis	*New York City*	108 N.
William Howard Ludington	*New York City*	170 F.

William McElroy	*Albany, N. Y.*	213 D.
Charles Hale Matthews	*Chicago, Ill.*	163 F.
Charles Putnam Merrill	*Portland, Me.*	164 F.
Charles Albert Moore	*Columbus, O.*	104 N.
Daniel Agnew Moore	*St. Louis, Mo.*	166 F.
Frank Gardner Moore	*Columbus, O.*	104 N.
Frederick Wightman Moore	*New London*	133 F.
Edward Broadbent Morgan	*Denver, Col.*	163 F.
Charles Rockwell Morley	*Cleveland, O.*	239 D.
George Rudolf Mosle	*New York City*	162 F.
Henry Townsend Nason	*Troy, N. Y.*	222 D.
William Ebenezer Nichols	*East Haddam*	252 York st.
Charles Fredrick Odell	*Tarrytown, N. Y.*	140 F.
John Henry Painter	*Kittanning, Pa.*	155 F.
William Henry Parks	*Clinton*	29 High st.
Edward Wright Peet	*West Haven*	30 S.
Frank George Peters	*Syracuse, N. Y.*	157 F.
Arthur Stevens Phelps	*New Haven*	1093 Chapel st.
Edward Johnson Phelps	*Andover, Mass.*	173 F.
Sheffield Phelps	*Englewood, N. J.*	178 L.
Charles Wheeler Pierson	*Florida, N. Y.*	108 N.
Robert Latimer Redfield	*New York City*	140 F.
Edward Winthrop Reid	*Lakeville*	148 F.
Arleigh Dygert Richardson	*Ilion, N. Y.*	161 F.
John Frederic Roache	*North Andover, Mass.*	124 N.
William Alfred Robbins	*Key Port, N. J.*	132 F.
Harry Leighton Rollins	*Wellesley, Mass.*	16 S.
Lucius Chester Ryce	*Florence, Italy*	158 F.
John Christopher Schwab	*New York City*	148 F.
Samuel Washington Scott	*New Haven*	113 N.
Frederic Norris Sewall	*Bath, Me.*	106 N.
Henry Dusenbury Shelden	*Detroit, Mich.*	44 High st.
Arthur Leffingwell Shipman	*Hartford*	176 F.
Edward Colhoun Smith	*St. Joseph, Mo.*	161 F.
Edward Lincoln Smith	*Montpelier, Vt.*	40 S. M.
Floyd Robinson Smith	*Jersey City, N. J.*	27 S.
Frank DeWitt Smith	*Chicago, Ill.*	59 Prospect st.
George Clark Smith	*Newburgh, N. Y.*	56 S. M.
William Cromwell Sprague	*Ogdensburg, N. Y.*	130 F.
Thomas Calhoun Stearns	*Tipton, Mo.*	113 N.
Walter Gay Stebbins	*Springfield, Mass.*	156 F.
Philip Battell Stewart	*Middlebury, Vt.*	173 F.
Edgar Crane Stiles	*Hartford*	138 F.
William Martin Strauss	*Poughkeepsie, N. Y.*	35 High st.
Sylvester Howe Taylor	*Washington, D. C.*	135 F.
Elford Parry Trowbridge	*New Haven*	221 Church st.
Frederick Cumings Truslow	*Brooklyn, N. Y.*	86 W.
Rollin Usher Tyler	*Tylerville*	72 N. M.
Francis Joseph Vernon	*Brooklyn, N. Y.*	212 D.

Henry Stephens Washington	*Navesink, N. J.*	213 D.
Thomas Glasby Waterman	*Detroit, Mich.*	178 L.
John Whitmore	*New Haven*	147 Bradley st.
Frank Edward Wing	*Conway, Mass.*	124 N.
Dudley Winston	*Chicago, Ill.*	177 F.
Frederick James Winston	*New York City*	139 F.
Evans Woollen	*Indianapolis, Ind.*	107 N.

JUNIORS, 149

SOPHOMORE CLASS

William Maitland Abell	*Franklin*	191 C.
Charles Adams	*Litchfield*	114 College st.
Chandler Parsons Anderson	*New York City*	1098 Chapel st.
James Archbald, Jr.	*Scranton, Pa.*	68 N. M.
Joseph Noyes Babcock	*Brooklyn, N. Y.*	1161 Chapel st.
Philip Sheridan Babcock	*Brooklyn, N. Y.*	1161 Chapel st.
Willoughby Babcock	*New Haven*	171 Whalley av.
Charles Francis Baldwin	*Princeton, Ill.*	92 W.
Albert William Barnum	*Evanston, Ill.*	99 Wall st.
Thomas Livingston Bayne, Jr.	*New Orleans, La.*	74 High st.
Rodmond Vernon Beach	*New Haven*	320 Temple st.
Gerald Hamilton Beard	*Chicago, Ill.*	143 York st.
Eli Beers	*Bridgewater*	111 N.
John Bennetto	*New Haven*	59 Prospect st.
Elmer Fox Berkele	*New Haven*	76 Wooster st.
Leslie Dayton Bissell	*Saxton's River, Vt.*	29 High st.
Edward Lydston Bliss	*Newburyport, Mass.*	35 High st.
Allan Blair Bonar	*Marquette, Mich.*	84 N. M.
James Philip Booth	*New Orleans, La.*	131 High st.
Dwight Eliot Bowers	*New Haven*	209 Crown st.
Arthur Wolfe Brady	*Muncie, Ind.*	137 College st.
William Barrett Brinsmade	*Brooklyn, N. Y.*	978 Chapel st.
Wilson Brooks	*Austin, Texas*	57 S. M.
Carleton Lewis Brownson	*New Canaan*	188 C.
Henry Wade Bruorton	*Brooklyn, N. Y.*	2 S.
John Christopher Burch	*Nashville, Tenn.*	46 S. M.
Edward Lathrop Burke	*Chicago, Ill.*	67 N. M.
William Savage Burns	*Bath, N. Y.*	35 High st.
Ernest LeRoy Caldwell	*Windsor*	190 C.
Middleton Arnold Caldwell	*Newburyport, Mass.*	3 S.

Victor Bush Caldwell	*Omaha, Nebr.*	84 Wall st.
Schuyler Casemate Carlton	*Cleveland, O.*	57 S. M.
Walter Boughton Chambers	*Brooklyn, N. Y.*	1161 Chapel st.
Frederick Starkweather Chase	*Waterbury*	68 N. M.
Francis Cameron Clarke	*Sing Sing, N. Y.*	74 High st.
Sanford Ellsworth Cobb	*Brooklyn, N. Y.*	38 Elm st.
Frank Cochrane	*Coxsackie, N. Y.*	193 C.
Alfred Coit	*New London*	98 N.
Ira Clifton Copley	*Aurora, Ill.*	98 N.
William Aaron Cornish	*Gillette, N. J.*	188 C.
Robert Nelson Corwin	*Baiting Hollow, N. Y.*	75 N. M.
William Hutchinson Cowles	*Chicago, Ill.*	200 York st.
Alexander Brown Coxe	*New York City*	76 High st.
John Cullinan, Jr.	*Bridgeport*	100 N.
Joseph Thomas Cunningham	*Norwich*	100 N.
John Hubbard Curtis	*New Haven*	218 Orange st.
Thomas Hamlin Curtis	*New Haven*	218 Orange st.
Henry Alexander Dann	*Susquehanna, Pa.*	35 High st.
John Caspar Diehl	*Erie, Pa.*	128 Temple st.
Willard Robinson Douglass	*Leavenworth, Kan.*	33 S. M.
Hugh Kirkham Drouillard	*Nashville, Tenn.*	116 N.
John Rice Eldridge	*Milford, Mass.*	91 N. M.
Clarence Clark Ferris	*Sound Beach*	45 S. M.
Harry Burr Ferris	*Sound Beach*	45 S. M.
Bernard Francis Gaffney	*New Britain*	48 S. M.
Robert Alexander Gardiner	*New Haven*	129 Whitney av.
Andrew Frink Gates	*Lebanon*	62 S. M.
John Minor Gillespie	*Hard Times Landing, La.*	215 York st.
Clarence Glisan	*Portland, Oregon*	133 College st.
Edward Winchester Goodenough	*Winchester*	91 N. M.
Madison Grant	*New York City*	214 Crown st.
Robert Beers Gray	*Birmingham*	4 S.
William Jessup Hand	*Scranton, Pa.*	230 D.
Clinton Larue Hare	*Indianapolis, Ind.*	44 S. M.
Frederic Wells Hart	*Plainville*	193 C.
Horace Sedgwick Hart	*New Haven*	104 William st.
Clifford Wayne Hartridge	*Savannah, Ga.*	154 F.
George Griswold Haven, Jr.	*New York City*	76 High st.
Robert Forbes Hawkes	*New Haven*	44 Trumbull st.
Frederick Trevor Hill	*New York City*	73 N. M.
George Edwin Hill	*Stamford*	74 High st.
Charles Mills Hinkle	*Cincinnati, O.*	1098 Chapel st.
Clarke Wesley Holly	*Philadelphia, Pa.*	152 F.
Frank Clifford Howe	*Peoria, Ill.*	81 N. M.
John Howard Hume	*Poughkeepsie, N. Y.*	41 S. M.
Albert Gay Hunt	*Scranton, Pa.*	109 Elm st.
DeWitt Clinton Huntington	*West Bingham, Pa.*	48 S. M.
Louis Kepler Hyde	*Plainfield, N. J.*	82 N. M.
Obed Wilson Irvin	*Dayton, O.*	97 N.

Henry Ivison, Jr.	*Rutherford, N. J.*	129 F.
Robert Irving Jenks	*Newport, N. H.*	41 S. M.
Charles Bulkley Jennings	*Fairfield*	295 York st.
Oliver Gould Jennings	*Fairfield*	1098 Chapel st.
Allen Wardner Johnson	*Watertown*	73 N. M.
Charles Keeler	*Auburn, N. Y.*	182 L.
John Bassett Keep	*Brooklyn, N. Y.*	18 S.
William Burrage Kendall, Jr.	*Brooklyn, N. Y.*	200 York st.
William Kent	*San Rafael, Cal.*	32 S.
Henry Belden Ketcham	*Dover Plains, N. Y.*	169 F.
John Scott King	*Unionville*	4 S.
John Henry Kirkham	*Newington*	187 C.
Charles Asher Knight	*Peekskill, N. Y.*	111 York st.
Samuel Knight	*Oakland, Cal.*	192 C.
Yan Phou Lee	*Fragrant Hills, China*	189 C.
Alfred Leeds	*Stamford*	183 L.
Frank Dodge Leffingwell	*Montclair, N. J.*	59 S. M.
John Leverett	*Binghamton, N. Y.*	81 N. M.
Robert Hart Lewis	*New Haven*	438 George st.
Charles Henry Ludington, Jr.	*New York City*	978 Chapel st.
James McCormick, Jr.	*Harrisburg, Pa.*	55 S. M.
William McCormick	*Harrisburg, Pa.*	55 S. M.
Robert Maxwell	*Rockville*	186 C.
Henry Lawton May	*North Brookfield, Mass.*	43 S. M.
Frank Adams Meacham	*Fort Douglas, Utah*	84 N. M.
Joseph Weed Middlebrook	*Wilton*	3 S.
Clarence Tomlinson Morse	*Chicago, Ill.*	46 S. M.
Richard Dana Morse, Jr.	*South Sudbury, Mass.*	63 S. M.
George Francis Nesbitt	*Kingston, Pa.*	2 S.
Edward Hiram Norton, Jr.	*Torrington*	63 S. M.
Irving Olmstead	*Stamford*	74 High st.
Edwin Parsons	*New York City*	215 York st.
Homer Tomlinson Partree	*Woodbury*	59 Prospect st.
Louis Harman Peet	*Brooklyn, N. Y.*	71 N. M.
Arthur Reed Pennell	*Brunswick, Me.*	223 York st.
Thomas Penney	*London, England*	186 C.
Thomas Norwood Penrose	*Philadelphia, Pa.*	43 S. M.
Arthur Perkins	*Hartford*	114 College st.
Herbert Earrington Perkins	*Harvard, Mass.*	32 S.
George Daniel Pettee	*Sharon, Mass.*	33 S. M.
William Lyon Phelps	*New Haven*	1093 Chapel st.
Frederic Smith Pickett	*Tariffville*	190 C.
Robert William Playford	*Uniontown, Pa.*	978 Chapel st.
Frederic Hopkins Pomeroy	*Lockport, N. Y.*	59 W.
John Norton Pomeroy, Jr.	*San Francisco, Cal.*	59 S. M.
Thomas Wyman Porter	*Montclair, N. J.*	109 Elm st.
George Clyde Post	*Owasco Lake, N. Y.*	97 N.
Albert Richard Pritchard	*Rochester, N. Y.*	161 Orange St.
Joseph Langdon Quimby	*North Sandwich, N. H.*	27 S.

John Rogers, Jr.	*Stamford*	978 Chapel st.
Benjamin Romaine	*San Francisco, Cal.*	60 S. M.
Isaac Grant Rosenzweig	*Erie, Pa.*	128 Temple st.
Thomas Frederick Sanford	*Redding*	65 Dixwell av.
Charles Otis Scoville	*Montpelier, Vt.*	99 N.
William Albert Setchell	*Norwich*	191 C.
Lewis Seymour	*Binghamton, N. Y.*	192 C.
James Rockwell Sheffield	*Utica, N. Y.*	201 D.
Walter Bradley Sheppard	*Penn Yan, N. Y.*	242 York st.
John Calhoun Simonds	*Charleston, S. C.*	169 F.
Frank Clifton Smith	*Gurleyville*	62 S. M.
Paul Spencer	*Brooklyn, N. Y.*	71 N. M.
Fred Sprague	*Chicago, Ill.*	142 F.
Edward Staehlin	*Newark, N. J.*	66 N. M.
Maximilian Lincoln Stein	*Milwaukee, Wisc.*	1173 Chapel st.
Thomas Hunt Talmage	*Brooklyn, N. Y.*	183 L.
William Pirrie Taylor	*Southbridge, Mass.*	60 S. M.
William Larned Thacher	*New Haven*	255 Crown st.
Richard Simms Thomas	*Boonton, N. J.*	44 S. M.
Joseph Lyle Thornton, Jr.	*Middletown, O.*	107 York st.
William Austin Tomes	*Brooklyn, N. Y.*	18 S.
Charles Louis Torrey	*Putnam*	104 Wall st.
Howard Crosby Tracy	*Plainfield, N. J.*	82 N. M.
Francis Bacon Trowbridge	*New Haven*	284 Crown st.
Wm. Rutherford Hayes Trowbridge, Jr.	*Barbadoes, W. I.*	1166 Chapel st.
Winthrop Turney	*Astoria, N. Y.*	75 N. M.
Frank Day Tuttle	*Brooklyn, N. Y.*	1161 Chapel st.
James Johnston Waring, Jr.	*Savannah, Ga.*	154 F.
William Drew Washburn, Jr.	*Minneapolis, Minn.*	65 N. M.
William Xenophon Weed	*Stamford*	60 Lyon st.
Frederic Roger Whittlesey	*Southington*	187 C.
Frederick Searls Woodward	*Brooklyn, N. Y.*	64 S. M.
George Stanley Woodward	*Wilkes Barre, Pa.*	201 D.
Michael Edward Woodward	*Oakland, Cal.*	66 N. M.
Roger Sherman Wotkyns	*Chicago, Ill.*	142 F.
Richard Horner Wyeth	*Philadelphia, Pa.*	56 S. M.
Warren Samuel Yates	*Omaha, Nebr.*	38 Elm st.
George Hurlbut Young	*New York City*	1098 Chapel st.

SOPHOMORES, 165

FRESHMAN CLASS

William Pope Aiken	*Rutland, Vt.*	26 E.
Edmund Allen	*St. Louis, Mo.*	237 Orange st.
Joshua Wilson Allen	*Hartford*	126 N.
Hallock Calvin Alvord	*Gloversville, N. Y.*	109 Wall st.
Edward Francis Ayres	*New Canaan*	100 Green st.
William Pitt Baldwin	*New Haven*	32 Martin st.
David Pritchard Bancroft	*East Windsor Hill*	64 S. M.
Elmore Sherwood Banks	*Southport*	8 Sylvan av.
Harry Beecher	*Brooklyn, N. Y.*	252 York st.
Jesse Hatch Behrends	*Brooklyn, N. Y.*	192 York st.
Francis Bergstrom	*Minneapolis, Minn.*	78 N. M.
William Bascom Bissell	*Lakeville*	115 Park st.
Henry Whiting Boies	*Scranton, Pa.*	109 Wall st.
José Bornn	*St. Thomas, W. I.*	74 N. M.
Clayton Harcourt Brigham	*Savannah, Ga.*	64 High st.
Robert Tillson Brinton	*Media, Pa.*	213 Crown st.
George Olney Brott	*Thompson*	4 Mansfield st.
Louis Righter Brown	*Auburn, N. Y.*	93 N. M.
Hillhouse Buel	*Asheville, N. C.*	41 High st.
Philip Dibble Bunce	*Hartford*	96 N. M.
Winthrop Grant Bushnell	*New Haven*	49 Howe st.
Arthur Kennard Buxton	*Brooklyn, N. Y.*	65 Olive st.
William Campbell	*New York City*	213 Crown st.
William Campbell	*Yankton, Dakota*	74 High st.
Laurance Johnson Carmalt	*New Haven*	89 Elm st.
Benjamin Austin Cheney	*New Haven*	189 Church st.
Kenneth Page Chumasero	*Chicago, Ill.*	252 York st.
William Spencer Clark	*Granby, Mass.*	77 N. M.
Albert St.Clair Cook	*Hartford*	223 York st.
Harlan Ward Cooley	*Dubuque, Iowa*	110 N.
Charles Edward Cornwall	*New Haven*	43 Dwight st.
Willis Gaylord Cosad	*Phelps, N. Y.*	147 F.
Harry Hall Covell	*Rochester, N. Y.*	93 N. M.
Samuel Monod Cross	*Westerly, R. I.*	149 College st.
Walter Salisbury Crump	*Westfield, N. Y.*	112 Whalley av.
Alfred Anthony Dennis	*Woodstock*	307 George st.
George Perkins Douglas	*Minneapolis, Minn.*	78 N. M.
Thomas Burnham Enders	*Hartford*	64 S. M.
Edward Sherman Farrington	*Brooklyn, N. Y.*	91 Olive st.
Edward Colton Fellowes	*Hartford*	126 N.
Dudley Ferguson	*Cincinnati, O.*	154 Grove st.
Irving Fisher	*New Haven*	115 Park st.
William Howard Fitzgerald	*Chicago, Ill.*	299 George st.
George Barber Fowler	*Thompsonville*	96 N. M.
Hervey Richards Franklin	*North Attleboro, Mass.*	120 York st.

Asa Oran Gallup	*Oneida, N. Y.*	111 York st.
George Metcalf Gill	*Orange, N. J.*	107 York st.
William Nettles Goodwin	*Quincy, Cal.*	254 York st.
Josiah Spalding Graham	*St. Louis, Mo.*	237 Orange st.
Henry Huntley Haight	*Alameda, Cal.*	201 Orange st.
Alfred Hand, Jr.	*Scranton, Pa.*	230 D.
Daniel Bailey Hardenbergh	*Port Jervis, N. Y.*	111 York st.
Eugene Wendell Harter	*Albany, N. Y.*	226 Crown st.
Frank Rufus Herrick	*Cleveland, O.*	252 York st.
James Ormerod Heyworth	*Chicago, Ill.*	120 York st.
Frank Wells Hubbard	*Litchfield*	149 F.
Dorr Albert Hudson	*Wakefield, Mass.*	111 N.
Moses Jacob Husinsky	*Orange*	223 Franklin st.
Orland Sidney Isbell	*New Haven*	116 Howe st.
Ralph Isham	*Chicago, Ill.*	1079 Chapel st.
Horace Rufus Johnson	*Northumberland, Pa.*	127 N.
John Couzu Kebabian	*Radosto, Turkey*	119 N.
Charles Allen Klots	*Brooklyn, N. Y.*	149 College st.
John Jacob Kutz	*Reading, Pa.*	307 George st.
Wolcott Griswold Lane	*Sandusky, O.*	133 College st.
Jesse Thomas Lazear	*Pittsburgh, Pa.*	242 York st.
Milton Marshall Lemer	*Harrisburg, Pa.*	38 Elm st.
Theodore Lockwood Leverett	*Binghamton, N. Y.*	112 N.
Alexander Shirley Leverty	*Bridgeport*	95 N. M.
Clarence Wyman Lincoln	*Philadelphia, Pa.*	82 Wall st.
Walter Hale Little	*Newbury, Mass.*	123 N.
George Horace Lorimer	*Chicago, Ill.*	120 York st.
William Loving, Jr.	*St. Joseph, Mo.*	1187 Chapel st.
Albert Charles Lux	*Clyde, N. Y.*	251 Crown st.
Harry Weber McCauley	*Reading, Pa.*	128 N.
Charles Berghaus McConkey	*Harrisburg, Pa.*	38 Elm st.
Joseph McElroy, Jr.	*St. Helena, Cal.*	238 York st.
James Howard McMillan	*Detroit, Mich.*	1002 Chapel st.
William Davis Manro	*Auburn, N. Y.*	125 N.
Frederic William Mar	*West Haven*	West Haven
Duncan Salisbury Merwin	*New Haven*	387 Temple st.
Carl Meyer	*Chicago, Ill.*	126 High st.
Frank Vincent Millard	*Tarrytown, N. Y.*	128 N.
Arthur Lewis Moore	*New York City*	129 F.
David Whipple Morison	*Minneapolis, Minn.*	1079 Chapel st.
Charles Neave	*Cincinnati, O.*	129 College st.
Harold Van Meter Ogden	*Chicago, Ill.*	120 York st.
William Henry Overby, Jr.	*Zion, Ky.*	8 Sylvan av.
Lucius Noyes Palmer, Jr.	*Brooklyn, N. Y.*	393 Temple st.
Frank Ilsley Paradise	*Andover, Mass.*	94 N. M.
William Andrews Parshall	*Port Jervis, N. Y.*	111 York st.
George Madison Pavey	*Washington C. H., O.*	139 Elm st.
George Kingsbury Pierce	*New Gloucester, Me.*	94 N. M.
Harrison Grey Platt	*Milford*	127 N.

Edward Pond	*San Francisco, Cal.*	201 Orange st.
Philip Pond	*New Haven*	220 Whalley av.
Herbert Warren Porter	*Bridgeport*	80 N. M.
Alfred Raymond	*Brooklyn, N. Y.*	82 Wall st.
Thomas Emerson Ripley	*Rutland, Vt.*	110 N.
Samuel Sidney Breese Roby	*Rochester, N. Y.*	133 College st.
Charles Emile Rubsamen	*Hoboken, N. J.*	254 York st.
William Henry Rumpf, Jr.	*Brooklyn, N. Y.*	91 Olive st.
Benjamin William Schwab	*New York City*	136 College st.
James Robert Seeley	*Bridgeport*	80 N. M.
William Henry Seward, Jr.	*Auburn, N. Y.*	182 L.
Edward Leland Smith	*Ansonia*	77 N. M.
Fred Palmer Solley	*Orange, N. J.*	107 York st.
John Claflin Southwick, Jr.	*New York City*	149 College st.
Hugh Spencer	*Corning, N. Y.*	127 N.
Amos Alonzo Stagg	*Orange, N. J.*	138 York st.
Leo Stein	*Chicago, Ill.*	38 Lynwood st.
Bernard Christian Steiner	*Frederick City, Md.*	226 Crown st.
Henry Ebenezer Stevens, Jr.	*New York City*	111 York st.
Edward Albert Stevenson	*New Haven*	10 Howe st.
Frederic Augustus Stevenson	*New Haven*	10 Howe st.
Henry Lewis Stimson	*New York City*	172 F.
William Stephen Stone	*New Britain*	238 York st.
John Hudson Storer	*Norwich*	109 N.
Henry Strunz	*Bristol*	79 N. M.
Michael Joseph Sullivan	*Northampton, Mass.*	1179 Chapel st.
Eliphalet Bradford Terry	*Brooklyn, N. Y.*	90 High st.
Edward Seymour Thomas	*Providence, R. I.*	192 York st.
Hector William Thomas	*New York City*	124 Prospect st.
Frank Lincoln Thompson	*Denver, Col.*	95 N. M.
Frank Burr Tibbals	*New Haven*	87 Trumbull st.
Edward Monticlair Tillinghast	*Hope Valley, R. I.*	192 York st.
Herbert Cushing Tolman	*Hanover, Mass.*	15 Home pl.
Willard Lamb Velie	*Moline, Ill.*	242 York st.
Fred Ayer Verplanck	*Franklin*	109 N.
William Miller Vinton	*Athol, Mass.*	125 N.
Morison Remich Waite, Jr.	*Toledo, O.*	112 N.
Samuel Johnson Walker	*Chicago, Ill.*	29 High st.
Frederic William Wallace	*Ansonia*	254 York st.
Brownlee Robertson Ward	*New Haven*	138 Temple st.
Charles Milnor Washington	*Navesink, N. J.*	251 Church st.
Asher Miner Wellman	*Friendship, N. Y.*	64 High st.
Monroe Nichols Wetmore	*Lebanon*	79 N. M.
Arthur White	*Brooklyn, N. Y.*	252 York st.
Porter Gouverneur Willett	*Buffalo, N. Y.*	136 College st.
Frank Lincoln Woodward	*Denver, Col.*	18 College st.
Ephraim Miller Youmans	*New York City*	74 High st.

FRESHMEN, 141

SHEFFIELD SCIENTIFIC SCHOOL

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OSCAR D. ALLEN, PH.D.
ADDISON E. VERRILL, M.A.
SIDNEY I. SMITH, PH.B.
WILLIAM G. MIXTER, PH.B.
A. JAY DU BOIS, PH.D.
CHARLES S. HASTINGS, PH.D.
RUSSELL H. CHITTENDEN, PH.D.
HENRY W. FARNAM, M.A., R.P.D.

ADDITIONAL INSTRUCTORS

ALBERT S. WHEELER, M.A.
WILLIAM I. KNAPP, PH.D.
JOHN H. NIEMEYER, M.A.
FREDERIC R. HONEY
THOMAS W. MATHER, D.E.
SAMUEL L. PENFIELD, PH.B.
ALTON W. LEIGHTON, M.D.
HORACE L. WELLS, PH.B.
SAMUEL E. BARNEY, PH.B.
THOMAS B. OSBORNE, B.A.
LOUIS V. PIRSSON, PH.B.
WILLIAM W. NICHOLS, PH.B.

GRADUATE STUDENTS

Samuel Eben Barney, PH.B.	*New Haven*	283 Orange st.
John Bartholomew, PH.B.	*Guilford*	Guilford
Edward Blake, PH.B.	*New Haven*	149 Temple st.
Albert Park Campbell, PH.B.	*New Haven*	28 York sq.
Herbert DeWitt Carrington, PH.B.	*New Haven*	1169 Chapel st.
George Wyckoff Cummins, PH.B.	*Vienna, N. Y.*	289 York st.
Arnold Guyot Dana, B.A.	*New Haven*	24 Hillhouse av.
Harry Holbrook Gladding, PH.B.	*New Haven*	170 Martin st.
George Herbert Graves, B.A.	*New Haven*	101 Grove st.
Duane Judson Kelsey, PH.B.	*Killingworth*	228 Crown st.
Alexander Lambert, B.A.	*New York City*	90 High st.
William Wallace Nichols, PH.B.	*Manitou Springs, Col.*	289 York st.
Thomas Burr Osborne, B.A.	*New Haven*	260 Crown st.
Harry McMahon Painter, B.A.	*West Haven*	4 E.
Louis Valentine Pirsson, PH.B.	*New York City*	8 Prospect pl.
William Edwin Safford, Ensign U. S. Navy	*Chillicothe, O.*	150 College st.
William Tuttle Shepard, PH.B.	*Bristol*	17 College st.
Herbert Eugene Smith, PH.B., M.D. University of Pa.	*New Haven*	76 Howe st.
John Prentice Terry, PH.B.	*Brooklyn, N. Y.*	90 High st.
Franklin Eldred Worcester, B.A., PH.B.	*New York City*	72 W.

GRADUATES, 20

SENIOR CLASS

Arthur Bronson Adams	*New Haven*	120 St. John st.
Grenville French Allen	*New Haven*	433 Temple st.
Philip VanWyck Anderson	*Sing Sing, N. Y.*	68 W.
James Arthur Atwood	*Wauregan*	43 College st.
John Frank Babcock	*Elmira, N. Y.*	36 Elm st.
Paul Daily Bernard	*Brooklyn, N. Y.*	68 W.
Clarence Blakeslee	*New Haven*	505 George st.
Robert Neill Brace	*Dobbs Ferry, N. Y.*	65 W.
Clarence Russell Britton	*Cleveland, O.*	36 Elm st.
Fred Spencer Bullene	*Kansas City, Mo.*	36 Elm st.
Richard Morton Bushnell	*Saybrook*	159 Orange st.
Merritt Mead Clark	*Bedford, N. Y.*	411 Temple st.
Wallace Sherman Clark	*Brooklyn, N. Y.*	380 George st.
Arthur Chandler Coates	*Kansas City, Mo.*	36 Elm st.
William Ledlie Culbert	*Brooklyn, N. Y.*	65 W.
John Joseph Flather	*Bridgeport*	295 York st.
William Holt Gale	*New York City*	58 W.
Irving Cook Gladwin	*Sherburne, N. Y.*	203 York st.
Jacob Philip Goodhart	*New Haven*	107 Court st.
Charles Lord Griffith	*San Francisco, Cal.*	36 Elm st.

John Venable Hanna	*Kansas City, Mo.*	380 George st.
John Ethan Hill	*Mystic Bridge*	84 LaFayette st.
David Leavitt Hough	*Fort Wayne, Ind.*	109 Elm st.
Percy Jackson	*Belleville, N. J.*	119 w.
Edwin Young Judd	*Hartford*	86 w.
Amos William Kimball	*Portland, Oregon*	43 College st.
Harry D. Kohn	*Chicago, Ill.*	57 w.
Ira Lamb	*Franklin*	159 Orange st.
Percy Lyford Lang	*Waverly, N. Y.*	43 College st.
William Heath Lyon, Jr.	*Brooklyn, N. Y.*	106 Wall st.
Charles Pond McAvoy	*Chicago, Ill.*	43 College st.
Charles Dickerman McCandliss	*Philadelphia, Pa.*	A.
William Adair McDowell	*Lexington, Ky.*	43 College st.
Daniel William Maher	*New Haven*	299 George st.
Daniel Delevan Mangam, Jr.	*Sing Sing, N. Y.*	43 College st.
William Edward Martin	*Allentown, Pa.*	395 Temple st.
Deane Miller	*New Rochelle, N. Y.*	36 Elm st.
Herbert Lincoln Mitchell	*New Haven*	51 Insurance Bld'g.
James Jacob Morgan	*New Haven*	470 Elm st.
William Alpheus Nettleton	*Kansas City, Mo.*	124 w.
Truman Handy Newberry	*Detroit, Mich.*	43 College st.
Isaac Norris, 3d	*Philadelphia, Pa.*	77 w.
George Washington Norton, Jr.	*Louisville, Ky.*	124 w.
Henry Oliver	*Pittsburgh, Pa.*	138 College st.
John Cunningham Oliver	*Pittsburgh, Pa.*	138 College st.
Abbott Chandler Page	*Fair Haven*	South Quinnipiac st.
Willis LaFayette Perkins	*Portland, Me.*	203 York st.
Royal Watson Pinney	*Derby*	395 Temple st.
Daniel Tuthill Pratt	*Elmira, N. Y.*	36 Elm st.
Sidney Armour Reeve	*Dayton, O.*	395 Temple st.
Willard Crawford Reid	*Lakeville*	74 High st.
John Rice	*Pottstown, Pa.*	43 College st.
William Todd Ross	*Belfast, Me.*	62 w.
Charles Gideon Rupert	*New Haven*	109 High st.
Frank Elbert Sands	*New Haven*	1173 Chapel st.
Louis Milton Schmidt	*New Britain*	395 Temple st.
James Alward Seymour	*Auburn, N. Y.*	36 Elm st.
Murray Shipley, Jr.	*Cincinnati, O.*	109 Elm st.
Joseph Godfrey Snydacker	*Chicago, Ill.*	57 w.
Frank Jerome Stevens	*New Haven*	7 Wooster pl.
William VanSchoonhoven Thorne	*New York City*	66 w.
Henry Lee Townsend	*New York City*	71 w.
Curtiss Chauncey Turner	*Omaha, Nebr.*	393 Temple st.
George Elliot Verrill	*New Haven*	86 Whalley av.
Frederick Brewster Wheeler	*Monroe*	409 Temple st.
Henry Howard Whitehouse	*Hartford*	395 Temple st.
Edward Simpson Wilson	*New York City*	119 w.
Benjamin Elizur Wright	*Cromwell*	63 w.

SENIORS, 68

JUNIOR CLASS

William Allender	*New London*	59 W.
Gilbert Lincoln Husted Arnold	*Stamford*	60 Lyon st.
William Wallace Atterbury	*Detroit, Mich.*	59 Prospect st.
Nathan Edward Ayer	*Bangor, Me.*	328 Temple st.
Silas Warren Bartlett	*New Haven*	389 Temple st.
Henry William Blake	*New Haven*	152 Grove st.
John Marvin Blakeley	*St. Paul, Minn.*	389 Temple st.
Howard Cone Bolton	*Cleveland, O.*	55 W.
Percival Ranney Bolton	*Cleveland, O.*	55 W.
Louis Whitford Bond	*New York City*	61 W.
Thomas Stoddard Bronson	*New Haven*	1460 Chapel st.
Harry Lockwood Burns	*Milford*	63 Prospect st.
Lewis Emerson Cadwell	*New Haven*	106 Liberty st.
Fred. Eaton Case	*Detroit, Mich.*	389 Temple st.
Theodore Newton Case	*Hartford*	287 York st.
John Chamberlain	*Kansas City, Mo.*	76 Mansfield st.
Frederick William Darlington	*West Chester, Pa.*	133 College st.
Alexander Harrison Davis	*Watertown*	289 York st.
John Edwin Doane	*Chicago, Ill.*	36 Elm st.
Joseph Osterman Dyer	*Galveston, Tex.*	31 Trumbull st.
Harvey Farrington	*Croton, N. Y.*	64 High st.
Joseph Essex Fitzsimons	*Waterbury*	509 Chapel st.
Robert Elder Forster	*Harrisburg, Pa.*	38 Elm st.
Frederick Abbot Goodwin	*Rutland, Vt.*	38 Elm st.
William Washington Gordon, 3d	*Savannah, Ga.*	64 High st.
James Eugene Greenebaum	*Chicago, Ill.*	38 High st.
Everett Mason Grimes	*Oakland, Cal.*	134 College st.
Harry Cloyd Hamill	*Georgetown, Col.*	287 York st.
David Neil Harper	*Shippensburgh, Pa.*	12 Lincoln st.
Frank Sperry Harrison	*New Haven*	18 Warren st.
Willis Benjamin Herr	*Denver, Col.*	287 York st.
Jay Russell Hickox	*South Britain*	270 Martin st.
William Brisbane Hickox	*Litchfield*	64 W.
William Barlow Hill	*Greenfield Hill*	17 College st.
Abraham Lincoln Howes	*Black Rock*	389 Temple st.
Marvin D. Hubbell	*New York City*	113 College st.
William Evelyn Hutchings	*Louisville, Ky.*	43 College st.
Morison Thomas Hutchinson	*Brooklyn, N. Y.*	36 Elm st.
Abraham Lincoln Hyde	*New Haven*	179 Washington st.
William David Johnson	*New Haven*	92 Rosette st.
Thomas Coggeshall Knowles	*San Francisco, Cal.*	107 Wall st.
Harrie Sheldon Leonard	*Washington, D. C.*	18 Trumbull st.
Cornelius Fay Lynde	*Rock Island, Ill.*	90 Wall st.
Mahlon Henry Marlin	*New Haven*	236 George st.
Frederick Anderson Marsh	*Kansas City, Mo.*	64 W.

Conrad Henry Matthiessen	*Cornwall, N. Y.*	36 Elm st.
Arthur Meeker	*Chicago, Ill.*	43 College st.
Edwin Frank Meyer	*Chicago, Ill.*	126 High st.
George Perkins Miller	*Utica, N. Y.*	60 w.
Henry White Patten	*North Haven*	119 Greene st.
George Eustis Potts	*Philadelphia, Pa.*	71 w.
James Frederick Prentiss	*Watertown, Wisc.*	36 Elm st.
William Acker Rice	*St. Paul, Minn.*	36 Elm st.
Arthur Jones Richmond	*Providence, R. I.*	43 College st.
Samuel Bostwick Robbins	*Lakeville*	152 Grove st.
Reginald Ronalds	*New York City*	43 College st.
Alexander Holley Rudd	*Lakeville*	389 Temple st.
Henry Rustin	*Omaha, Nebr.*	159 York st.
Emanuel Frank Selz	*Chicago, Ill.*	126 High st.
William Sanders Tevis	*San Francisco, Cal.*	36 Elm st.
John Metcalfe Thomas	*New York City*	134 College st.
Calvert Townley	*Cincinnati, O.*	101 w.
George Pollok Devereux Townsend	*Middletown*	101 w.
Thomas Brodhead VanBuren, Jr.	*Englewood, N. J.*	43 College st.
Henry Hayes Wadsworth	*Glencoe, Minn.*	Allingtown
James Edward Warnock	*Atlanta, Ga.*	126 High st.
Charles Willcox	*Omaha, Nebr.*	163 Temple st.
Rockwell Amasa Williams	*Canterbury*	104 Wall st.
Willis Stoughton Williams	*Minneapolis, Minn.*	389 Temple st.
Robert McKnight Woods	*New Haven*	364 George st.

JUNIORS, 70

FRESHMAN CLASS

Henry Frederick Adams	*Westport*	53 Prospect st.
Robert Clayton Augur	*West Haven*	2d av., West Haven
Elmer Ellsworth Bennett	*Plainfield*	75 Wooster st.
Emerson Francis Bennett	*Pueblo, Col.*	347 York st.
Walter Pierpont Bigelow	*New Haven*	278 Orange st.
Herbert Spencer Bullard	*Hartford*	397 Temple st.
Lewis Alexander Burgess	*Newark, N. J.*	59 Prospect st.
William Harper Butler	*Olean, N. Y.*	64 High st.
George Alfred Caldwell	*Louisville, Ky.*	395 Temple st.
Richard Augustus Chapman	*Rye, N. Y.*	124 Prospect st.
Harry Fitch Coleman	*Logansport, Ind.*	295 Temple st.
Lewis Atterbury Conner	*New Albany, Ind.*	59 Prospect st.
David Mark Cummings	*Chicago, Ill.*	391 Temple st.
Julius Gilbert Day	*Seymour*	205 Orange st.
William Greenhow Doane	*Omaha, Nebr.*	159 York st.
John Ambrose Doolittle	*New Haven*	219 Orange st.
Edward Warburton Durant	*Stillwater, Minn.*	86 Wall st.
Isadore Dyer, Jr.	*Galveston, Tex.*	65 Grove st.

Henry Hayes Ellis	*Oxford, Me.*	75 Wooster st.
Charles Francis Emerson	*Titusville, Pa.*	1079 Chapel st.
Arthur Mansfield Everit	*New Haven*	53 Prospect st.
Pedro Florentino Francke	*New York City*	109 Wall st.
Raymond Thomson French	*Seymour*	114 High st.
Charles Hunter Gardner	*New Haven*	75 Dixwell av.
Francis Frederic Georger	*New York City*	155 Elm st.
Robert Fisher Gibson	*York, Pa.*	8 Prospect pl.
Charles Joseph Goldmark	*New York City*	629 Chapel st.
Wilfred Elizur Griggs	*Waterbury*	189 York st.
George Conradt Ham	*Washington Hollow, N. Y.*	38 Elm st.
Harry Leon Hamlin	*Chicago, Ill.*	1179 Chapel st.
Edgar Burton Harger	*Oxford*	16 University pl.
William Lynde Harrison	*New Haven*	39 College st.
Herbert Leopold Hart	*Chicago, Ill.*	38 High st.
James Henry Hayden	*New York City*	55 Trumbull st.
Henry Allen Higley, Jr.	*Brooklyn, N. Y.*	238 York st.
Joseph Cooke Jackson, Jr.	*New York City*	113 College st.
Lawrence Bates Jenckes	*Stamford*	109 Elm st.
Leonard Abbot Jenkins	*Dresden, Saxony*	124 High st.
Charles Sherman Jewett	*Buffalo, N. Y.*	136 College st.
John Edwin Judson	*New Haven*	142 St. John st.
Frederick Sheffield Kellogg	*Utica, N. Y.*	55 Trumbull st.
Charles Foster Kent	*Palmyra, N. Y.*	364 George st.
Grayson Guthrie Knapp	*Auburn, N. Y.*	391 Temple st.
Charles Wilbur Knox	*Pittsburgh, Pa.*	155 Elm st.
John Stewart Kulp	*Wilkesbarre, Pa.*	242 York st.
Isaac Eugene Leonard	*Chicago, Ill.*	64 High st.
Edward Linsley Maltby	*Northford*	297 York st.
Harry Zeller Marshall	*Dayton, O.*	61 Grove st.
Harley James Morrison	*Cincinnati, O.*	129 College st.
Samuel Everett Oakes	*Washington, D. C.*	36 Elm st.
William Partridge Ordway	*Boston, Mass.*	155 Elm st.
Edward Horatio Parker	*Detroit, Mich.*	395 Temple st.
Franklin Treat Parlin	*Casselton, Dakota*	8 Prospect pl.
John Erskine Patrick	*Omaha, Nebr.*	159 York st.
David Walter Patten	*North Haven*	119 Greene st.
Edmund Bishop Patterson	*Allegheny City, Pa.*	381 Crown st.
Frank Adelbert Paul	*New Haven*	27 Washington st.
Charles Eugene Phillips	*Southington*	53 Prospect st.
William Thomas Rainey	*Cleveland, O.*	237 Orange st.
Frank Clark Reed	*Pittsburgh, Pa.*	203 York st.
Harris Smith Reynolds	*Poughkeepsie, N. Y.*	55 Trumbull st.
George Brinckerhoff Richards	*New Haven*	43 Elm st.
John Robert Wheaton Sargent	*Chicago, Ill.*	120 York st.
William Marcelin Scaife	*Allegheny City, Pa.*	203 York st.
Oscar Harmon Short	*New York City*	39 Lynwood st.
Edward Arthur Smith	*Middletown*	508 Chapel st.
Frink Mansfield Smith	*East Haven*	East Haven

Erwin Starr Sperry	*Ansonia*	41 High st.
Daniel Perry Stanton	*New York City*	393 Temple st.
Merton Pierpont Stevens	*New Haven*	522 Howard av.
Arthur Peale Summers	*Colorado Springs, Col.*	126 High st.
Louis Denio Tourtellot	*Utica, N. Y.*	43 College st.
William Conquest Tucker	*New York City*	629 Chapel st.
Howard Beecher Tuttle	*Naugatuck*	242 York st.
Donald Robertson Tyler	*Owensboro, Ky.*	242 York st.
Alfred John Wakeman	*Green's Farms*	53 Prospect st.
Frank Otto Walther	*Brooklyn, N. Y.*	53 Prospect st.
Nathaniel P. Washburn	*Bridgewater, Mass.*	53 Prospect st.
Frank Warren Wentworth	*Chicago, Ill.*	161 York st.
Edward Gilbert Williams	*Essex*	17 Wooster pl.
George Henry Wood	*Dayton, O.*	61 Grove st.

FRESHMEN, 81

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Samuel Ellsworth Allen	*Glendale, O.*	126 High st.
Silas Enoch Burrows	*Mystic*	14 Lincoln st.
Wallace Arthur Butricks	*New Haven*	300 Columbus av.
John Gerow Dutcher	*Pawling, N. Y.*	90 Wall st.
Ludwig Otterson Kellogg	*San Francisco, Cal.*	421 Temple st.
Edwin Coupland Shaw	*Buffalo, N. Y.*	63 Prospect st.
Benjamin I. Smith	*Sherburne, N. Y.*	17 College st.
Francis Timothy Smith	*Simsbury*	7 Pearl st.
Warren A. Spalding	*New Haven*	89 Church st.
Francis Lewis Sperry	*Tallmadge, O.*	146 College st.

SPECIAL STUDENTS, 10

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
JOHN F. WEIR, N.A., M.A., DIRECTOR
REV. JAMES M. HOPPIN, D.D.
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, *Instructor in Perspective*
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*
THEODORE W. WESTON, *Librarian*

STUDENTS

Maud A. Allan	*New Haven*
Emma H. Bacon	*Meriden*
Clara M. Barnes	*New Haven*
Carl J. Blenner	*New Haven*
Frank C. Boardman	*Cromwell*
Annie D. Bradley	*New Haven*
Henry W. Brown	*Waldoboro, Me.*
Almira L. Candee	*Bridgeport*
Susan J. Candee	*New Haven*
Mary F. Carew	*New Haven*
Charles F. Carter	*Waterbury*
Alice E. Clark	*New Haven*
David Gardiner	*New Haven*
Jennie E. Hanson	*New Haven*
Jessie C. Harger	*New Haven*
Henrietta L. Heness	*New Haven*
Marie Heness	*New Haven*
Mary E. Hobson	*Wallingford*
Harriet T. James	*New Haven*
Annie S. Johnson	*New Haven*
Josephine M. Lewis	*New Haven*
M. Louise Lightbourne	*New Haven*
Clara B. Lines	*Meriden*
Virginia B. Means	*New Haven*
Mary L. Miles	*Milford*

Elizabeth S. Newberry	*New Haven*
Fannie B. Pardee	*New Haven*
Katherine B. Park	*New Haven*
Martha J. Potter	*New Haven*
Bela L. Pratt	*Salem*
Alfred Raymond	*Brooklyn, N. Y.*
Elsie Rowland	*Waterbury*
Jessie B. Sherman	*New Haven*
Clara L. Thayer	*New Haven*
Walter E. Vaill	*West Haven*
Ethel C. Walker	*New Haven*
Theodore W. Weston	*New York City*
Annie I. Williston	*New Haven*
Fannie L. Wiseman	*New Haven*
Jennie J. Wooding	*Stratford*

Total, 40

SUMMARY OF STUDENTS

Department of Theology - - - -		107
Department of Medicine - - - -		27
Department of Law - - - - -		68
Department of Philosophy and the Arts:		
Graduate Instruction - - -	37	
Undergraduate Academical Department	580	
Sheffield Scientific School -	249	
School of the Fine Arts - -	40	
		906
		1108
Deduct for names inserted twice -		22
Total - - - - -		1086

GENERAL STATEMENT

The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the Courses FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each with a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named; and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this Department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this Department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, Ger-

man, and French, will be required in all cases, unless, for some very exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The Courses of instruction given in the Department may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER: will lecture on finance and the art of politics as illustrated in the history of the United States. This course occupies two years. In 1884–5 the second half, history from 1820 to 1880, will be given. Two hours per week. Another course of text-book lessons, explanations, etc., is given, consisting, in alternate years, of sociology (1883–4), and special topics in industrial history, history of political economy, finance, and theory of rights (1884–5). One hour per week.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris;* German text-books of Roman Law.

Mr. A. T. HADLEY: Railroads: their history, their business methods, and the social problems connected with them.

3. Philological Science; Literature:

Professor WHITNEY: the general Principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Antiquities.

Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Mr. VAN NAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and Literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

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4. Mathematics:

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. Physics; Chemistry; Astronomy:

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Professor HASTINGS: Lectures on selected topics in Physics, and guidance in laboratory work.

Professor CHITTENDEN: Physiological Chemistry.

Dr. WALDO: the Theory and Practice of Micrometry.

Mr. O. T. SHERMAN, Thermometry.

See, also, *Mathematics*, above.

6. Geology; Natural History:

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. Applied Science:

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor C. B. RICHARDS: Dynamical Engineering.

Professor DUBOIS: Civil Engineering.

8. Fine Arts:

For the instruction open to Graduates in the School of the Fine Arts, see page 78.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show at any time not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL ENGINEER AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and to make the requisite drawings and calculations. The fee for graduation is five dollars.

UNIVERSITY PRIZE

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any Department of the University during the whole of the current college year may compete for this prize.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

1. Latin Grammar.
2. Cæsar—Gallic War, Books i–iii.
3. Cicero—Orations against Catiline and for Archias.
4. Vergil—Bucolics, and first six books of the Æneid, including Prosody.
5. Ovid—Metamorphoses, translation at sight.
6. The translation, at sight, of passages from prose Latin.
7. The translation into Latin of a connected passage of English Prose. [As special importance is given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]
8. Roman History—Creighton's Primer of Roman History is suggested, as a basis for instruction.

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9. Greek Grammar.
10. The translation of English into Greek.
11. Xenophon—Anabasis, three books.
12. Homer—Iliad, two books, with Prosody.
13. The translation, at sight, of a passage from some work of Xenophon.
14. Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

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15. Higher Arithmetic—including the metric system of weights and measures.
16. Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.
17. Geometry—Euclid, book first, and the first 33 exercises thereon in Todhunter's edition; or, the first four books in other Geometries, with the above exercises.

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18. French or German—so far as to translate at sight easy prose, the candidate being in each case at liberty to decide for himself in which of the two languages he shall be examined.

[For the course in Modern Languages in Freshman year, see p. 55, first paragraph.]

Candidates will be allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examina-

tion of the first year, for examination in not more than ten (in which number the translation at sight of Latin and Greek must not be included) of the above subjects, and must be accepted on at least six, in order to receive any certificate of partial admission.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (June 25, 26, 27, 1885); *attendance is required at the opening of the examination, at* 9 A. M. *on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1885 examinations for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass. (in the rooms of Phillips Academy), in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 25, at 9 A. M.), at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates may be sufficient to warrant it; applications for this purpose should be sent to the Secretary before June 1.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 22, 23, 1885); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying for admission to any of the classes in College during the course of the College year (that is, from September to June) must first obtain from the Faculty permission to be examined, and pay to the Treasurer a fee of ten dollars.

In general, examinations for admission to the Freshman Class of the *next* year can only be held in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not over fifty dollars) will be charged.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see below) by the class which they wish to enter. In the several languages, for the particular books studied by the Class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS — Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE PROGRAM OF STUDIES for the current year is as follows:

FRESHMAN YEAR:

Greek—Homer's Iliad (5½ Books); Scenes from Euripides (1000 lines); selections from Herodotus and other historians (100 pp.), with the history of the East to the death of Cyrus the Great, and Greek history to the Peloponnesian War; Greek Prose Composition. (Those especially proficient in Greek will be assigned in the second term to an advanced section.)

Latin—Cicero *De Senectute* and *De Amicitia*; fifty letters of Pliny; ten Satires of Horace, with history of Roman literature to the Augustan age; Latin Prose Composition.

Modern Languages—Elementary German three hours a week for twenty-three weeks, and two hours a week the rest of the year. Those who have sufficient previous acquaintance with the elements of German are assigned to classes in French, advanced German, etc. (N. B.—In and after the year 1885–6, Freshmen will have a choice between advanced French, advanced German, and elementary German.)

Plane Geometry—Todhunter's Euclid, Books 3 and 4. Exercises in logical arrangement and original demonstration. Chauvenet's Geometry—Symmetry, Loci, Proportions, Theory of Limits, and Measurement of the Circle.

Solid Geometry—Chauvenet's Geometry—Planes, polyhedrons, cones, and cylinders. Construction of figures in Isometric Projection. Demonstrations and exercises on models.

Plane Trigonometry—Richards's Trigonometry. Applications to Mensuration and Surveying.

Algebra—Phillips and Beebe's Graphic Algebra. The geometric interpretation of the Theory of Equations, Imaginaries, and the Solution of Higher equations.

SOPHOMORE YEAR:

Greek—Prometheus of Æschylus; Œdipus Tyrannus of Sophocles; Demosthenes *De Corona* (70 pp.); Plato's Apology of Socrates.

Latin—Odes and Epodes of Horace (50 pp.); selections from Catullus (20 pp.); seven satires of Juvenal; Books xxi and xxii of Livy; selections (75 pp.) from the letters of Cicero and Suetonius's Lives of the Emperors; Agricola and Germania of Tacitus; constitutional and political history of Rome to the accession of Antoninus Pius; Wilkins's Primer of Roman Antiquities.

Modern Languages—Elementary French or elementary German, at the option of the student, two hours a week throughout the year. Those properly qualified are assigned to advanced classes in these languages or are otherwise provided for. (N. B.—In and after the year 1885–6, Sophomores will have a choice between advanced French, advanced German, and elementary German).

Spherical Geometry and Trigonometry—Demonstrations with exercises on the globe. Applications to Navigation and Astronomy.

Analytical Geometry—Plane and solid. Applications to Map Projection.

Mechanics—The elementary principles of Kinematics, Kinetics (or Dynamics), and Statics, in reference to solid bodies, with some of their practical applications in Dana's Mechanics.

English Literature—Welsh's History of the Development of the English Language and Literature.

Rhetoric—See paragraph at the end of the list of required studies.

JUNIOR AND SENIOR YEARS:

The *prescribed* courses of Junior year occupy seven hours per week, and of Senior year three hours per week. In addition, each member of the Junior class is required to select eight hours per week, and each member of the Senior class twelve hours per week, from the list of *elective* courses.

PRESCRIBED STUDIES OF JUNIOR YEAR:

Physics—The subjects of Liquids, Gases, Sound, Heat, and Light, in Balfour Stewart's Elementary Lessons, with experimental illustrations in the class room and occasional lectures. The subjects of Electricity and Magnetism in Silvanus P. Thompson's Elementary Lessons, with experimental lectures.

Astronomy—Loomis's Treatise on Astronomy.

Logic—Jevons's Lessons in Logic; Fowler's Inductive Logic; exercises in the criticism of arguments; lectures.

Geology—Dana's Text-book of Geology.

Psychology—Porter's Human Intellect, Introduction, First and Second Parts; lectures.

PRESCRIBED STUDIES OF SENIOR YEAR:

Psychology—Porter's Human Intellect, Third and Fourth Parts; lectures.

Ethics, Natural Theology, and Evidences of Christianity.

Rhetoric—English Composition. Four themes a year are required from each member of the Senior and Junior Classes, and six from each member of the Sophomore Class. The Senior and Junior themes are read and corrected by the instructors in Rhetoric. Individual appointments are made with the Sophomores for the criticism of themes. (For premiums in this department see p. 67).

A course of lectures from ten to sixteen in number, on topics selected from the history of English literature, will be delivered by Mr. Donald G. Mitchell during the 1st term; and a similar course by Prof. Nathan P. Seymour during the 2d term. These courses are meant especially for the Senior and Junior classes in English, but will be open to the University. Attendance upon them is voluntary in all cases.

Elocution—Sophomore Year: Lectures on the Science and Art of Elocution—logical analysis—vocal analysis, expression, and culture,—oratorical action. Practice in speaking and recitation by sub-divisions of twelve each. Individual instruction and private drill in preparation for speaking in divisions of eighteen per week before the class and the Professor of Rhetoric for the "Prizes for Declamation."—Junior Year: Three weeks of preparatory training for the speakers at the Junior Exhibition.—Senior Year: Three weeks of preparatory training for the speakers at Commencement.

ELECTIVE COURSES:

The elective courses are presented in the schedule below. Each course is a unit and occupies a line and a number in the schedule. Some courses run through the whole year, others continue only during the first term and others only during the second term. If a course lasts only through the first term or only through the second term, the title of it occupies but one column in the proper place in the schedule. If it lasts for the whole year, the word "continued" is placed opposite to it in the second column for the year. No course which has been elected can be abandoned during the period for which it continues. No course can be entered, save at its beginning, unless upon examination and with the consent of the instructor.

ELECTIVE

JUNIOR YEAR.

Group.	Course No.	FIRST TERM. Subject.	Hours per week.	SECOND TERM. Subject.	Hours per week.
Mental and Moral Science.	1				
	2				
	3				
	4				
Political Science.	5				
	6				
	7				
	8				
	9				
History.	10			Prof. Tarbell, Greek History,	1
	11	Mr. Tighe, Hist. of the Roman Empire,	2		
	12			Prof. Bendelari, Hist. of Middle Ages,	2
	13			Prof. Dexter, American History,	2
	14				
	15				
	16				
Modern Languages.	17	Mr. Ripley, German,	3	Continued,	3
	18	Mr. Ripley, German, with Seniors,			
	19	Prof. Bendelari, French,	3	Continued,	3
	20	Prof. Bendelari, Italian,	3	Continued,	3
	21	Prof. Knapp, French, with Seniors,			
	22	Mr. Whitney, English Literature,	3		
	23			Mr. McLaughlin, English Literature,	3
	24	Prof. Beers, Anglo-Saxon and English,	2	Continued,	2
	25				
	26				
	27	Prof. Knapp, Spanish, with Seniors,			
	28				
Classics and Linguistics.	29	Prof. Peck, Tacitus,	3	Continued, Lucretius and Vergil,	3
	30	Prof. Peck, Horace,	3		
	31			Prof. Peck, Cicero and Quintilian,	3
	32	Prof. Peck, Latin Composition,	2	Continued,	2
	33	Prof. H. P. Wright, Plautus,	2		
	34	Prof. Seymour, Phaedo of Plato,	2		
	35			Prof. Seymour, Republic of Plato,	2
	36	Prof. Seymour, Pindar,	2		
	37			Prof. Seymour, Homer,	2
	38	Prof. Seymour, Homer,	2		
	39			Prof. Seymour, Greek Inscriptions,	2
	40			Prof. Seymour, Theocritus,	1
	41				
	42				
	43				
	44				
Natural and Physical Science.	45	Prof. J. K. Thacher, Zoology,	4		
	46			Prof. Eaton, Botany,	2
	47				
	48				
	49				
	50				
	51				
	52				
	53				
Mathematics.	54	Prof. Richards, Differential Calculus,	4	Prof. Newton, Integral Calculus,	4
	55	Prof. Phillips, Projections,	2		
	56			Prof. Phillips, Projections,	2
	57				
	58			Prof. Beebe, Theoretical Astronomy,	2
	59				
	60				
	61				

COURSES.

SENIOR YEAR.

Course No.	FIRST TERM. Subject.	Hours per week.	SECOND TERM. Subject.	Hours per week.
1			The President, Philosophy,	2
2	Prof. Ladd, Physiological Psychology,	2	Continued,	2
3	Prof. Ladd, History of Philosophy,	2	Continued,	2
4	Prof. Tarbell, Logic,	1		
5	Prof. Sumner, Political Economy; Short Course,	3		
6	Prof. Sumner, Political Economy; Long Course,	2	Continued,	2
7			Prof. Sumner, Advanced Political Economy,	2
8			Prof. Phelps, Municipal Law,	2
9			Prof. Phelps, International Law,	1
10			Course 10 open to Seniors,	
11				
12				
13				
14	Prof. Wheeler, Modern European History,	4	Continued,	2
15	Prof. Wheeler, Early Constit. Hist. of England,	2	Continued,	2
16			Prof. Wheeler, Constit. History of England,	3
17				
18	Mr. Ripley, Advanced German,	2	Continued,	2
19				
20	Course 20 open to Seniors,		Continued,	
21	Prof. Knapp, Advanced French,	3	Continued,	3
22				
23				
24	Course 24 open to Seniors,		Continued,	
25	Prof. Beers, English Literature,	3	Continued,	3
26	Prof. Knapp, Old French,	2	Continued,	2
27	Prof. Knapp, Spanish,	3	Continued,	3
28	Prof. Bendelari, Advanced Italian,	3	Continued,	3
29	Course 29 open to Seniors,		Continued,	
30	Course 30 open to Seniors,			
31			Course 31 open to Seniors,	
32	Course 32 open to Seniors,		Continued,	
33				
34	Course 34 open to Seniors,			
35			Course 35 open to Seniors,	
36	Course 36 open to Seniors,			
37			Course 37 open to Seniors,	
38	Course 38 open to Seniors,			
39			Course 39 open to Seniors,	
40				
41	Prof. T. A. Thacher, Ethics of Cicero and Seneca,	2		
42			Prof. T. A. Thacher, Cicero and Seneca,	2
43	Prof. Whitney, Sanskrit,	4	Continued,	4
44			Prof. Whitney, Linguistics,	1
45				
46				
47	Prof. E. S. Dana, Mineralogy and Crystallography,	2	Continued,	2
48	Prof. A. W. Wright, Physics, Laboratory Work,	2	Continued,	2
49	Prof. J. D. Dana, Geology,	2		
50			Profs. J. D. & E. S. Dana, Geol. & Petrography,	2
51			Prof. Loomis, Meteorology,	2
52	Prof. Eaton, Pteridology and Bryology,	2		
53			———, Chemistry, Laboratory Practice,	4
54	Course 54 open to Seniors,		Continued,	
55	Course 55 open to Seniors,			
56			Course 56 open to Seniors,	
57	Prof. Loomis, Practical Astronomy,	4		
58			Course 58 open to Seniors,	
59			Prof. Newton, Calculus,	2
60	Prof. Gibbs, Dynamics and Thermodynamics,	2	Continued,	2
61	Prof. Gibbs, Statics,	2		

NOTES ON THE ELECTIVE COURSES.

The following notes refer by numbers to the schedule, and contain the most essential information about the courses, except where the title of the course renders explanation unnecessary.

1. Special topics in Ethics, etc.

2. A study (illustrated by charts and models) of the human nervous mechanism, of the principal relations which exist between changes in this mechanism and the activities of the mind, and a discussion of the conclusions which may be drawn from these relations respecting the nature and laws of the mind.

3. A brief survey of the development of philosophical thinking from its beginning among the Greeks down to the modern era, a somewhat extended presentation of the philosophy of Kant, by expository lectures upon his works, and a study of several of the more important writers since the time of Kant.

4. Mill's System of Logic; a discussion of Mill's theories of Deduction, Induction, Explanation, and Hypothesis.

5 and 6. Lessons in Fawcett (short course) and Mill (long course) and in Richardson's National Banks (both courses), with discussions and lectures, especially on currency, banking, and taxation. The short course is elementary only. The long course is for those who wish to give more time and labor to this subject.

7. Study and discussion of economic problems and fallacies with selected passages from the leading treatises;—open only to those who have taken course 5 or course 6.

8 and 9. Courses 8 and 9 will consist of lectures on the origin, history, and general principles of the Common Law, American Constitutional Law, and International Law, based mainly upon the treatises of Robinson, Cooley, and Woolsey, which will be read in connection with the lectures.

10. Outlines of Greek history; in detail, the constitutional history of Athens and the conquests of Alexander.

11. An outline of the history of the Roman Empire from the accession of Antoninus Pius to that of Charlemagne; in detail, 1st, Roman religion to the conversion of Constantine; 2d, Legislation of Justinian; 3d, Rise of Mohammedanism.

12. General history of Continental Europe, mainly France and Germany, from the ninth to the fifteenth century; Lewis's History of Germany; Kitchin's History of France, Vol. i.

13. A summary view of American history down to 1865. Special attention is directed to the colonial period.

14. First term: History of the French Revolution (Mignet); Fyffe's History of Modern Europe, recitations and lectures. Second term: History of Europe since 1815; Müller's Political History of Recent Times; Walpole's History of England since 1815, recitations and lectures.

15. Origin and development of the English Constitution. Stubbs's Constitutional History of England; Green's or Bright's History of England,

vol. I. Recitations, lectures, and discussions. This course is specially designed for those who intend to study law.

16. History of England during the Tudor and Stuart Periods. The conflict between self-government and arbitrary power. Hallam's Constitutional History of England; Green's or Bright's History of England, vol. ii.; with numerous books for reference. Recitations and lectures.

17. Elementary. Whitney's German Grammar. Translation from English into German. Readings from narrative prose authors: Grimm, Andersen, Hauff, Zschokke, Heyse, and others.

18. Readings from historical prose; German ballads and lyrics; sight-translation from Freytag and Zschokke. Freytag's "Die Journalisten." Selections from Heine's prose.

20. Elementary Italian; Toscani's Grammar; de Amicis, *La vita militare;* Manzoni, *I promessi sposi;* Composition.

21. Choix de lectures dans les auteurs des trois derniers siècles, composition et traduction de l'anglais; grammaire à l'époque de la Ligue et changements survenus depuis; conférences familières sur l'hist. de la littérature. Toute instruction exclusivement en français dès la seconde moitié du premier semestre.

22. Welsh's History of the Development of the English Language and Literature; Lounsbury's History of the English Language, Part I.

23. Selections from the Canterbury Tales; the life of Chaucer and his place in the literature of his age; critical reading of selected plays of Shakspere.

24. A two years course. Anglo-Saxon and Early English; Sweet's Anglo-Saxon Reader; Mätzner's *Altenglische Sprachproben;* Beowulf; Earle's History of Anglo-Saxon Literature; tenBrink's Early English Literature.

25. Bacon; Milton's Prose; Sir Thomas Browne; Selections from the British Dramatists; Dryden; Pope; Literature of the 19th century (1830–1860).

27. First year: Instruction in speaking Spanish, and oral translation from English into Spanish. Sight-reading of modern authors. Commercial correspondence. Second year (1885–6): Spanish literature. Instruction exclusively in Spanish.

28. Advanced Italian; Tasso; Modern Plays; Composition; Dante, Boccaccio.

29. First term: Selections from the first six books of the Annals; the Latinity of the Silver Age; the character and reign of Tiberius. Second term: Critical and exegetical studies in the *de rerum natura;* papers on the poetry, philosophy, and Latinity of Lucretius; readings from Vergil's different works.

30. Satires and Epistles of Horace.

31. Quintilian, Books 10 and 12; Latin literature; Latin philology; rapid readings from Cicero's orations (or rhetorical works); Roman oratory.

32. Writing and speaking Latin.

34. The Phædo of Plato as an introduction to the literary and philosophical study of Plato.

37. The Iliad of Homer; a rapid reading of its principal parts.

38. Introduction to the critical study of the Homeric poems. Lectures on Epic poetry; the Homeric poems in antiquity and their transmission to the present time; the Homeric dialect and versification; life in the Homeric age. Critical interpretation of the first book of the Iliad.

39. Exercises on the interpretation of Greek inscriptions, based upon Cauer's *Delectus Inscriptionum Graecarum.*

43. A first year's instruction in Sanskrit, beginning with the instructor's Sanskrit Grammar, and passing on to Professor Lanman's Reader. A sketch of Sanskrit literature will be given in connection with the exercises during the latter part of the year.

44. A series of exercises—mingled lecture, recitation, and discussion—on the leading topics of the general study of language, following and using as text-book the instructor's Life and Growth of Language, will be given if a class of six or more is formed.

45. Dissection of a small number of typical animals. Lectures on classification of animals. Lectures and recitations on physiology. Huxley and Martin's Elementary Biology; Huxley's Elementary Physiology.

46. An elementary course in Structural and Systematic Botany.

47. Practical study of the more important mineral species by means of blowpipe analysis and other methods; mathematical study of crystals by the methods of analytical and spherical geometry; also the optical properties of crystals including the phenomena exhibited by them in polarized light. Dana's Text Book of Mineralogy, 1882.

48. Chiefly practical work in the physical laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. Recitations of one hour each, upon the theory and methods of physical measurements, will occasionally take the place of the laboratory work. Kohlrausch's Physical Measurements; Everett's Units and Physical Constants, etc.

49. Lithological and (in alternate years) Historical or Dynamical Geology. Dana's Manual; recitations and field-excursions.

50. Continuation of course 49 during the first half of the second term. In the second half of the second term this course will be continued by Prof. E. S. Dana as a course in Petrography, including the examination of thin sections of rocks under the microscope. Some preliminary work on the optical properties of minerals will be done by the class.

51. Loomis's Meteorology, with daily study of the current weather-maps of the signal service.

52. Limited to six persons who have studied phænogamic Botany. The work will be largely histological, involving the use of the compound microscope.

53. Four exercises a week, of which three are laboratory practice in qualitative and quantitative analysis of three hours each, and one a recitation.

55. Orthographic projection and linear perspective.

56. Advanced work in map-projection.

57. Loomis's Practical Astronomy. Students have the free use of a portable transit-instrument for observations.

58. Calculation of orbits, ephemerides, and perturbations.

59. Definite Integrals, Multiple Integrals, Mean Values and Probability, Differential Equations.

60. Tait and Steele's Dynamics of a Particle. Maxwell's Theory of Heat.

61. Todhunter's Analytical Statics.

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins twelve weeks from the day after Commencement-day and continues thirteen weeks; the second term begins on the first Thursday (Tuesday, the present year) in January and continues until Commencement-day, with a spring recess—of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading in the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition is $115, and with incidentals, $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is about five dollars.

ROOMS—There are in the College buildings about two hundred rooms occupied by students, at prices varying (according to location) from $25 to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:

Treasurer's bill (according to location of room) from	$160 to	$220
Board, 37 weeks, - - - - -	130 to	260
Fuel, lights, and washing, - - - -	30 to	60
Use of text-books and furniture, - - -	30 to	60
Total, - - - - - -	$350	$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $15,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. No de-

serving student who will make good use of the opportunities of the College need be deterred from entering it by the cost of tuition. Those needing aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

By the liberality of Mr. W. L. Andrews, of New York city, a well furnished library has been established, containing textbooks and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing such books. Permission to use this library can be obtained from the President.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the fellowship more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in especial remembrance of William Wheeler, of the class of 1855. The incumbent must be, at the time of his election, a graduate of this department, of not more than three years' standing. He shall pursue non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of six hundred dollars, is awarded to a graduate of this department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding about fifty-five dollars a year, is awarded to the student in each Senior class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded in each Senior Class to the applicant who has passed the best annual examination in the studies of the course; provided he remain in New Haven one or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and twenty dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE FOOTE SCHOLARSHIPS, yielding five hundred dollars a year, are awarded to graduates of this department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate department of Philosophy and the Arts.

THE WOOLSEY SCHOLARSHIP, being the income of a fund of one thousand dollars, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain

conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND of one thousand dollars; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount.

THE W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he pursue for the year after graduation a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

A COLLEGE PRIZE of thirty dollars is awarded to the successful competitor at the Junior Exhibition. The competition is limited to eight speakers chosen from the higher grades of the Junior appointment list.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the

Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 51 and 48.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The school, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 37), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students :—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49, 50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part i, is named as indicating the nature and extent of this requirement, and an acquaintance with it will be required unless a satisfactory substitute is offered.) (2) Cæsar—six books of the Gallic War or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's Æneid, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in Newcomb's Trigonometry to Art. 79, or in Wheeler's or Richards's or Wentworth's Plane Trigonometry. The Logarithmic and Trigonometric Tables furnished at the examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such cases they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of the United States, Geography, Arithmetic, Plane Geometry, and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Director of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text books of Professor Newcomb (Henry Holt & Co., New York) may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt

recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all of his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission in 1885 take place at North Sheffield Hall, on Thursday, Friday, and Saturday, June 25, 26, 27, (beginning at 9 A. M. on Thursday); and on Tuesday and Wednesday, September 22, 23 (beginning at 9 A. M. on Tuesday). Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1885 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, June 25, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Director of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to the preparatory studies, in those already pursued by the class which they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special Courses.

The special Courses most distinctly marked out are the following:

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition. *Mathematics*—Spherical Trigonometry (Newcomb's); Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons, in the Art School.

SECOND TERM.—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working-drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following Courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's. *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Drawing*—Descriptive Geometry, concluded; Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM.—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical Problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions, Elements of the Theory of Functions; Differential Calculus. - *Surveying*—Field Practice. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Kinematics*—General Theory of Motion and Principles ot Mechanism; Elementary Combinations of Pure Mechanism; Pulleys and Belts; Gearing and forms of teeth for Wheels; Parallel Motions. *Drawing*—Descriptive Geometry, concluded. *German. French.*

SENIOR YEAR:

FIRST TERM—*Statics*—Application of the Principles of Statics to Rigid Bodies; Elasticity and Strength of Materials; Forms of Uniform Strength; Stability of Structures; Construction of Roof Trusses, Girders, and Iron Bridges. *Machine Drawing*—Bolts and Nuts; Riveting; Journals, Axles, Shafts, Couplings, Pillow Blocks; Shaft-hangers, Pulleys; Connecting Rods and Cranks; Cross-heads; Pipe connections; Valves; Steam Cylinders, Stuffing Boxes, Glands, etc. Shop Visits. *Blowpipe Analysis. French.*

SECOND TERM—*Hydrostatics and Hydrodynamics*—Equilibrium and Pressure of fluids; Hydrometers, Manometers, Gauges, etc.; Water Pressure Engines and Water Wheels; Construction of Water Reservoirs and Conduits; Measurement of Water Supply; Discharge of pipes. *Thermodynamics*—General principles of Heat employed as a source of power; Theory of the

Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—Proportioning of Machine Parts, continued. Designing of Hoisting Engines; Shearing and Pumping Engines; Complete working-drawings for a high speed Steam Engine. Shop Visits and Reports. *Metallurgy.*

(d.) IN AGRICULTURE:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany. French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany. Zoology. English. French.*

SECOND TERM.—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY:

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Anatomy and Histology*—Laboratory Practice, Lectures and Recitations. *Physiology*—Huxley's; Practical Exercises, *Embryology*—Lectures. *Theoretical Chemistry* — continued. *Mineralogy* — continued. *Botany*—Lectures; Practical Exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—Recitations, Laboratory Practice, and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical Exercises, Lectures and Excursions. *Geology*—Dana's. *French.*

SECOND TERM—*Physiological Chemistry*—continued. *Experimental Toxicology. Geology*—Dana's. *Zoology*—Lectures. *Sanitary Science*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers can pursue the regular Course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography*—Guyot; Lectures. *English*—Early English. *History*—Bright's History of England. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Astronomy. Botany*—Lectures, Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Bright's History, continued. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures. *Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspere, Milton, Dryden, Pope, Gray, and later authors. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4).

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable, $55 at the beginning of the first and second terms, and $40 at the middle of the second term. The student in the Chemical course has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological and Anatomical Laboratories, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For the graduate students the charge for tuition is one hundred dollars per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY, are $10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, Mr. JOHN DAVENPORT WHEELER, and Mr. WILLIAM W. FARNAM.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERICK R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections; applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline; studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions; the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions; the first is devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeletons; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture and Christian Art.

III. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectual ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

Second Division:

DRAWING—casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies or details in various styles; projects—dwelling-houses, stores, public buildings, etc.

*Students having the requisite knowledge ot mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

PROJECTS will be given out once a month (or once in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a programme will be given for a final project and thesis.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is thirty-six dollars for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures or those in the school, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in the other departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art" numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries: the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other Departments of the College.

This Department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY consists of the President of the College, a Professor of Hebrew Literature and Biblical Theology, a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, and a Professor of Sacred Literature.

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on the Philosophical Basis of Theism; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory Dispensation in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR:

Professor BARBOUR will lecture on Sacred Rhetoric and Homiletics, and also on Pastoral Theology, including the office, qualifications, pastoral duties, and special work of the ministry; he will also take charge of the practical exercises in Preaching, and in the criticism of the style and delivery of sermons.

Professor FISHER will lecture upon the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

Mr. RUSSELL will give instruction in New Testament Biblical Theology.

GRADUATE CLASS—FOURTH YEAR:

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and College libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class or portions of it attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Special Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: The new renderings in the Revision of Luther's Translation of the Old Testament, compared with the recent Scandinavian Revisions.

III. PROFESSOR HARRIS: Comparative Study of the Doctrinal Theology of Dorner, Müller, and of the Ethics of Janet and Martensen.
IV. PROFESSOR FISHER: Reading of Weiss's Life of Jesus, with discussion of the work.
V. PROFESSOR DWIGHT: Paul and his Thoughts; The First Epistle of John.
VI. PROFESSOR BARBOUR: Examination of Sermons on which Criticism or Suggestions may be desired.
VII. MR. RUSSELL: The Philosophical Basis of Theism and Philosophy of Religion.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. These opportunities for obtaining wider culture, without additional expense, will be of special value to graduates of colleges and others, who desire the means of pursuing studies to which they have not attended, or in which they seek further information.

Those who intend to become Foreign Missionaries have the privilege of attending the lectures in the Medical Department, on the payment of the matriculation fee of five dollars.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons, and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Divinity School are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The *Reference Library* of the School, established through the liberality of Mr. Henry Trowbridge, of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Bacon Memorial Hall recently erected, between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable *Library of Church Music*, belonging to the late Dr. Lowell Mason, has been recently given to the Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The *College Library*, to which the students have access without charge, contains over 120,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books.

The Library of the College literary societies, containing about 27,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this department at a small charge. The harbor

of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $3.00 to $3.50 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle, and Senior Classes, whose circumstances require it, will receive $100 a year from the income of scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid toward the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of Libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, J. B. Beadle, David Root, Rebecca Breed, Mary Goodman, Orin Fowler, Edward Bull, W. W. Seymour, William S. Eakin, Cassius Welles, and Robert McEwen.

A GRADUATE FELLOWSHIP has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the fifth time to the class

entering in September, 1884, and will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1884–5 began on Thursday, September 18, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes, and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 24, 1885.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic of theology.

Blank forms of application for admission to the school may be obtained of the Secretary, Prof. George E. Day, New Haven, Conn., or from any of the other professors.

DEPARTMENT OF MEDICINE

THE FACULTY consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, a Demonstrator of Anatomy, a Lecturer on Normal Histology, a Lecturer on Chemistry, a Lecturer on Dermatology, a Lecturer on Diseases of the Throat, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, and a Lecturer on Ophthalmology.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues for eleven weeks. The second term begins three weeks after the close of the first, and continues for twelve weeks. The third term is eleven weeks in length, ending at Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in the Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics: Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations will be conducted in writing. Grammar, spelling, and construction will be considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A M., on the Wednesday preceding the opening of the College year, and on the Thursday following its close.

In conjunction with other departments of the University, examinations will be held on the Thursday after Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of five dollars will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of the examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations four times a week, Professor Silliman and Dr. Smith. Chemical Laboratory, four times a week, Professor Silliman and Dr. Smith.

Anatomy: Lectures and recitations five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections four times a week from Nov. 1 to April 1, Dr. C. P. Lindsley. Autopsies, Prof. White.

Histology: Laboratory work once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Professor Thacher.

MIDDLE YEAR:

Anatomy: Lectures and recitations, five times a week, Prof. Sanford and Dr. C. P. Lindsley. Dissections, four times a week from Nov. 1 to April 1, Dr. C. P. Lindsley.

Materia Medica and Therapeutics: Lectures and recitations, three times a week, Prof. Russell.

Physiology: Lectures and recitations, twice a week, Prof. Thacher.

Pathology: Lectures and recitations, once a week, Prof. White. Laboratory work, once a week, Prof. White. Autopsies, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. C. A. Lindsley. Medical Clinic, once a week, Prof. C. A. Lindsley. Clinic for Diseases of the Throat, once a week, Dr. Chapman.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt, Surgical Clinic, once a week, Prof. Carmalt.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Prof. Beckwith. Clinic for Diseases of Women, once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR:

Pathology: Lectures and recitations, once a week, Prof. White. Laboratory work, once a week, Prof. White. Autopsies, Prof. White.

Medicine: Lectures on General Medicine, three times a week, Prof. Lindsley. Medical Clinic, once a week, Prof. Lindsley. Clinic for Diseases of the Throat, once a week, Dr. Chapman. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week, for nine weeks, Dr. Stearns. Lectures on Dermatology, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Prof. Carmalt. Surgical Clinic, once a week, Prof. Carmalt. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Prof. Beckwith. Clinic for Diseases of Women, once a week, Prof. Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry will be by lectures and recitations, and by laboratory work. The lectures will be fully illustrated by experiments. Medical Chemistry, Toxicology, and Qualitative Analysis will be taught at the desk and by recitations, with occasional didactic lectures.

Students of the third year and special students prepared to undertake original researches in Chemistry, are encouraged to do so, and are supplied with the means for investigation.

ANATOMY will be taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY will be taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from text-books are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—The instruction in this branch of study is given by both lectures and recitations, the purpose being to give students the advantages of either method, whichever by the nature of the special topic may seem most practical.

A CLINIC is held weekly at the college at which students in the Senior Class are required to make personal examination of patients and present diagnostic points for criticism.

SURGERY — The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearance of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis. A surgical clinic is held once a week at the State Hospital.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

GYNÆCOLOGY is taught by lectures and clinics.

SPECIAL COURSES are conducted by Dr. Ayres on Nervous Diseases; Dr. Stearns, of Hartford, on Mental Diseases; Dr. Chapman, on Diseases of the Throat and Ear; Dr. St. John, of Hartford, on Ophthalmology; Dr. Fleischner, on Dermatology, and a brief course of lectures by Leonard Waldo, S.D., on Thermometers.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A CLINIC FOR DISEASES OF THE THROAT is held at the College at 3 P. M. every Monday; a SURGICAL CLINIC at 3 P. M. every Tuesday, and a MEDICAL CLINIC at 3 P. M. every Friday; a GYNÆCOLOGICAL CLINIC is held at the State Hospital at 3 P. M. every Thursday.

MEDICAL AND SURGICAL CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually. Three of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; and must have pursued the studies of the course during the three years, at least two of which shall have been passed in a recognized medical college, and the last of the three shall have been passed at this school. He shall also have passed the required examinations in all the studies of the three years' course.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

Before taking his degree a student must have passed all the examinations of the three years satisfactorily to the board of examiners.*

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school), -	$ 5.00
Tuition Fee, for one year, - - - - - - - -	125.00
Graduation Fee, - - - - - - - - - -	30.00

Of the tuition fee for the year, $45 is due at the beginning of the first term, $45 at the beginning of the second term, and $35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the College Treasurer except the graduation fee, which is paid to the Dean.

* The Board of Examiners consists of the Faculty, and an equal number of the members of the Connecticut Medical Society appointed by the President and Fellows of the same.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman ; a blank for this bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor C. A. LINDSLEY, Dean.

PRIZE

THE KEESE PRIZE—The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DEPARTMENT OF LAW

THE FACULTY consists of the President of the College, a Professor of Mercantile Law and Evidence, a Professor of Elementary and Criminal Law and the Law of Real Property, a Professor of Constitutional Law, Contracts, and Wills, a Professor of the Law of Torts and Equity Jurisprudence, a Professor of Pleading, and a Professor of International Law; Lectures are also delivered by Professor PHELPS on Evidence, by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory and the Administration of Estates, MARK BAILEY, A.M., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, WILLIAM E. SIMONDS, LL.B., on Patent Law, and by Hon. MORRIS W. SEYMOUR, LL.B., on Corporations.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning on the last Thursday of September and continuing to the Thursday before Christmas; the Winter term, beginning in January, after a vacation of three weeks, and closing the last Thursday in March; and the Spring term, beginning on the second Thursday of April and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate Course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

FALL TERM—Recitations: Elementary Law and Criminal Law, Professor Robinson; Contracts, Professor Baldwin; General Jurisprudence, Prof. Platt; Pleading, Prof. Townsend; International Law, Prof. Woolsey. Lectures: Nature and History of American Law, and Wills, Prof. Baldwin.

WINTER TERM—Recitations: Elementary Law and Criminal Law, Prof. Robinson; Contracts, Profs. Baldwin and Townsend; Evidence, Prof. Wayland; Torts, Prof. Platt. Lectures: Wills, Prof. Baldwin; Code Pleading, Prof. Townsend.

SPRING TERM—Recitations: Corporations, Prof. Baldwin; Contracts, Professors Baldwin and Townsend; Torts, Prof. Platt; Evidence, Prof. Wayland; Real Property, Prof. Robinson. Lectures: English Constitutional Law, Prof. Wayland; Forensic Elocution, Mr. Bailey.

SENIOR YEAR:

FALL TERM—Recitations: Real Property and Criminal Procedure, Prof. Robinson; Equity, Prof. Platt; Contracts, Professors Baldwin and Townsend. Lectures: International Law, Prof. Woolsey; American Constitutional Law, Prof. Baldwin.

WINTER TERM—Recitations: Corporations, Prof. Baldwin; Estates and Real Property, Prof. Robinson; Equity, Prof. Platt. Lectures: Evidence, Prof. Phelps; American Constitutional Law, Prof. Baldwin; Corporations, Mr. Seymour.

SPRING TERM—Recitations: Real Property, and Estates, Prof. Robinson; Equity, Prof. Platt; Contracts, Prof. Townsend. Lectures: Evidence, Prof. Phelps; Roman Law and Practice, Prof. Baldwin; Patents, Mr. Simonds.

SPECIAL COURSE

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The principal text-books used are, in Junior year, Robinson's Elementary Law, Blackstone's Commentaries, Bishop on Criminal Law, vol. i, Bishop on Statutory Crimes, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, Morawetz on Private Corporations, and Washburn on Real Property; in Senior year, Parsons on Contracts, Bispham on Equity Jurisprudence, Morawetz on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop on Criminal Procedure. Students are also recommended to read during their course the following works, in connection with their regular exercises: Kent's Commentaries, Smith's Leading Cases, Hadley's or Morey's Roman Law, and Cooley on Constitutional Limitations.

At the close of the Spring Term, each class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION — Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers, as written, must be such as to evince a competent knowledge of English Grammar.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students" conducted under the authority of the Regents of the University of the State of New York.*

* The Regents' Examinations are held at New York City and at the various Academics in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board or Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

Whilst time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this School, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this School, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801, and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557), Blackstone's Commentaries (except Book 4), Robinson's Elementary Law, Bishop on Criminal Law, vol. i, Bishop on Statutory Crimes, Heard on Pleading, Townsend's Notes on Code Pleading, Greenleaf on Evidence, vol. i, Hawkins on Wills, Woolsey's Introduction to the Study of International Law, Cooley on Torts, Washburn on Real Property, vol. i, Holland on Jurisprudence, and Morawetz on Private Corporations, to page 186.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The Graduate Course, occupying two years, is open to graduates from any Law School, having the degree of LL.B., under the conditions specified on p. 102. The vacations are the same as those in the Undergraduate Course in this Department. The degree of Master of Law (M.L.) will be conferred upon examination at the close of the first year, and that of Doctor of Civil Law (D.C.L.) at the end of the second year. The curriculum for the first year is particularly designed to supplement that of the Undergraduate Course by affording further instruction in the branches there pursued; that of the second year is designed to meet the wants of those who aim at acquiring a thorough acquaintance with Jurisprudence and its affiliated studies, as a means of completing their education, without confining themselves to such topics as are of the first necessity to the practicing lawyer. All students, whose means and time allow them to do so, are earnestly recommended to avail themselves of the advantages of the first year of this Course.

The arrangement of the Course is as follows:

FIRST YEAR (*Third year of the whole Course*):

Admiralty Law, and Patents, Professor Robinson; Practice in the U. S. Courts, Railroad Law, and American Constitutional History, Prof. Baldwin; Municipal Corporations, and Practice in States having a Code of Civil Procedure, Prof. Platt; Political History and Science, Prof. Sumner, or English Constitutional History, Prof. A. M. Wheeler; International Law Prof. Woolsey, or Railroad Economics, Mr. Hadley.

SECOND YEAR (*Fourth year of whole Course*):

Parliamentary Law, History of the Law of Real Property, and Canon Law, Prof. Robinson; Comparative Jurisprudence, and Conflict of Laws, Prof. Baldwin; General Jurisprudence, Prof. Platt; Roman Law, Mr. A. S. Wheeler; Relations of Physical Geography to Political History, Prof. Brewer; Political and Social Science, Prof. Sumner, or Political Economy, Prof. Farnam; Economics of Transportation, Mr. Hadley.

Among the principal text-books used are Parsons on Shipping and Admiralty, Curtis on Patents, Desty's Federal Procedure, Pierce on American Railroad Law, Austin on Jurisprudence, Dillon on Municipal Corporations, Pomeroy's Remedies and Remedial Rights, the Commentaries of Gaius, Institutes of Justinian, selected titles of the Pandects, the Code Napoléon, Cushing's Parliamentary Law, and Wharton on Private International Law.

There will be daily exercises for those pursuing each year of the Course, the preparation for which, with the collateral course of reading prescribed for each, the composition of the graduating thesis, etc., will be such as to occupy the working time of the students through the year.

A knowledge of Latin will be necessary for those pursuing the studies of the last year of the course, but will not be indispensable for candidates for the degree of M.L.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and at no other time. Candidates for admission to the Senior Class will be examined as above, at the end of the Spring Term, or beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

Examinations for degrees in the Graduate Course will be held at the close of the Spring Term.

Every candidate for a degree, both in the Undergraduate and Graduate Courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY—The special Library of the Department, which has a permanent endowment for its support (the English Fund, established by Hon. James E. English, M.A., in 1873), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of Judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8 A. M. to 12.45 P. M., and from 3 to 5.45 P. M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A. M.

The students can also draw books from the general University libraries, containing over 140,000 volumes.

PRIZES are annually awarded as follows :

THE TOWNSEND PRIZE (established by Hon. James M. Townsend, in 1874), of one hundred dollars, to that member of the Senior Class who shall write and pronounce the best oration or thesis at his graduation, at the public anniversary exercises on the day before Commencement.

THE JEWELL PRIZE (established by Hon. Marshall Jewell, M.A., in 1871), of fifty dollars, to that member of the Senior Class who receives the highest marks at the final examination of his class at their graduation.

BUILDING, AND FACILITIES FOR OBSERVING PRACTICE—The School occupies an entire story of the Court House of New

Haven County, having upon the same floor a lecture room accommodating two hundred students, a large library hall, a Moot Court room, an instructor's room, and other apartments furnishing every needed convenience for Law clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School Terms.

THE COLLEGE GYMNASIUM is open to members of the Law Department on payment of moderate fees.

DEGREES—In the Undergraduate Course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

2d. Any students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar.

Degrees are granted in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*, on the recommendation of the Faculty of the Law Department.

In the Graduate Course the degree of Master of Law (M.L.) will be conferred by the Corporation, on the recommendation of the Faculty of the Department, on persons, who, after having taken the degree of Bachelor of Laws, at this or any other Law School, pursue, during at least one year, such a course of advanced studies as the Faculty may direct.

Those who receive this degree can proceed in their studies for another year, with a view to applying for the degree of

Doctor of Civil Law (D.C.L.), provided they have been graduated as Bachelors of Arts or Philosophy, or on graduating at this Law School, attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and M.L. A good knowledge of either the French or German language, as well as Latin, will also be required, and the Faculty will present no one for the doctor's degree who has not attained a high standard of proficiency in the studies pursued.

Neither degree is conferred, except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination, and present a satisfactory thesis.

All who have not taken their bachelor's degree at some Law School where Roman Law is a prescribed study, will be required to pass a preliminary examination on the outlines of Roman Law and Roman History, before admission to the studies of the fourth year.

EXPENSES—The fees for tuition and use of the Library in the Undergraduate Course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year; in the first year of the Graduate Course, $50 for the Fall Term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for the year; and in the second year of the Graduate Course, $80 for the Fall Term, $70 for the Winter Term, and $70 for the Spring Term, or $200 for the year; to be paid to the Treasurer of the College in advance, or secured by a bond to said Treasurer as condition for the payment of said fees. Where payment is not made in advance, interest will be added. The diploma fee is $5. The court fees for admission to the Connecticut Bar, if this is desired, are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this also is desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from five dollars a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY THOMAS M. WALLER, M.A., *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR BENJAMIN SILLIMAN, M.D., LL.D.
PROFESSOR GEORGE J. BRUSH, M.A., *Treasurer*
PROFESSOR OTHNIEL C. MARSH, M.A.
GEORGE PEABODY WETMORE, M.A.

CURATORS

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum is now completed, at a cost of about $140,000, or with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work-rooms and store-rooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as the general lecture-room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth is used for the collection in Archæology and Ethnology, and for store-rooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS:

PRESIDENT NOAH PORTER, D.D., LL.D., *President*
THOMAS G. BENNETT, PH.B., of New Haven
JACOB CAMPBELL, Esq., of New York City
PROFESSOR CHESTER S. LYMAN, M.A.
PROFESSOR ELIAS LOOMIS, LL.D.
PROFESSOR HUBERT A. NEWTON, LL.D., *Secretary*

OFFICERS:

ROBERT BROWN, JR., M.A., *Secretary*
LEONARD WALDO, S.D.
ORRAY T. SHERMAN, B.A.
WILLIAM L. ELKIN, PH.D.

THE OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astronomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by Mr. E. M. Reed.

The Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometery, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete arrangement for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. Apparatus for an extended (automatic) public time service.

4. Apparatus for research and comparison in Thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VANNAME, M.A., *Librarian*
FRANKLIN B. DEXTER, M.A., *Assistant Librarian*
J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*
FREDERICK WELLS WILLIAMS, B.A., *Assistant in the College Library*

THE COLLEGE LIBRARY numbers about 120,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various departments. Other persons may have the privilege of consulting the Library and drawing books by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 27,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Philosophical Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY

College Library (exclusive of pamphlets), about .	120,000 vols.
Linonian and Brothers Library, about . . .	27,000 "
Libraries of the Professional Schools, about . .	20,000 "
	167,000 "

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 25, 1884

ORATIONS

GUSTAVE FREDERICK GRUENER, Valedictory Oration, *New Haven*
WILBUR FRANKLIN BOOTH, Salutatory Oration, *Easton*
HENRY MILTON WOLF, Philosophical Oration, *Chicago, Ill.*
HENRY BANCROFT TWOMBLY, Philosophical Oration, *Boston, Mass.*
CHARLES ABERNETHY MEAD, Philosophical Oration, *Darien*
FRANK DUNLAP PAVEY, Philosophical Oration, *Washington C. H., O.*
SELDEN PALMER SPENCER, Philosophical Oration, *Erie, Pa.*

Edward C. Gale, *Minneapolis, Minn.*
David Kinlay, Jr., *Andover, Mass.*
John I. Souther, *Worcester, Mass.*
Charles E. Bedell, *Montclair, N. J.*
George R. Blodgett, *Bucksport, Me.*
Frederick S. Jones, *Monroe City, Mo.*

Edward M. Chapman, *Old Saybrook*
James Smith Havens, *Weedsport, N. Y.*
Benjamin Scharps, *Newburgh, N. Y.*
Charles E. Carr, *New Haven*

Roderick W. Hine, *Lebanon*
Dean A. Walker, *Auburndale, Mass.*
Frederick S. Allen, *Bridgeport*
Robert M. Boyd, Jr., *Montclair, N. J.*
Frank O. Ayres, *Oakham, Mass.*
William T. Nichols, *Cincinnati, O.*
Sydney Stein, *Chicago, Ill.*
William Bradley Coley, *Westport*
George W. Flowers, *Irwin, Pa.*
Vincent C. Peck, *Trumbull*

John M. Burnam, *St. Louis, Mo.*
Yung Kwai, *Kwongtung, China*
Joseph N. Tuttle, *Madison, N. J.*
Arthur B. Wells, *Chicago, Ill.*
William Williams, *New London*
Herbert W. Wolcott, *Cleveland, O.*
Charles S. Seeley, *Fairfield*
John R. Halsey, Jr., *Brooklyn, N. Y.*
George W. Judson, *Stratford*
Joseph G. Holliday, *St. Louis, Mo.*
Ward W. Savery, *Marion, Mass.*
Frank Strong, *Auburn, N. Y.*

DISSERTATIONS

William L. Strong, *Pittston, Pa.*
Wallace S. Allis, *Brookfield, Vt.*
Frederick K. Curtis, *New York City*
Leonard M. Daggett, *New Haven*
Edw. L. Porter, *New Cumberland, W. Va.*

Robert H. Lyman, *Holyoke, Mass.*
Isaac Henry Mayer, *Chicago, Ill.*
George W. Patterson, Jr., *Westfield, N. Y.*

DISPUTES

John Holden, *Bridgeport*
Harry R. Wagner, *Philadelphia, Pa.*
Ellsworth Elliot, Jr., *New York City*

Charles E. Holmes, *Weeping Water, Nebr.*
Joseph Tomlinson, Jr., *Shelton*
Edmund O. Hovey, *New Haven*
Clarence N. Platt, *New Haven*

Neville H. Castle, *San Francisco, Cal.*
William McM. Speer, *Huntingdon, Pa.*
John T. Swift, *Colchester*
R. A. Jernberg, *Fredrikshald, Norway*
Beirne Lay, *Easton, Md.*

Samuel A. Booth, *Easton*
Reginald Foster, *Boston, Mass.*
Harry G. Samson, *Cincinnati, O.*
Henry D. Whittlesey, *Old Saybrook*

COLLOQUIES

Edwin McClellan, *Cambridgeport, N. Y.*
Joseph Wood, *Sayville, N. Y.*
James B. Reynolds, *North Haven*
Charles W. Copeland, *Brooklyn, N. Y.*
Harry McM. Painter, *West Haven*

James M. Dawson, *New York City.*
Frank C. Hughson, *Albany, N. Y.*
George H. Makuen, *Goshen, N. Y.*
Benjamin H. Pendleton, *Stonington*
Edward A. Wright, *Cromwell*
William Carpenter, *Shekomeko, N. Y.*
George J. McAndrew, *Forestville, N. Y.*
Edward H. Coley, *Westport*
Robert W. Hamill, *Chicago, Ill.*

Charles J. Jennings, *Redding*
Newell C. Knight, *St. Louis, Mo.*
James H. Penniman, *Philadelphia, Pa.*
Nelson P. Bigelow, *Chicago, Ill.*
Henry T. Shelton, Jr., *Bridgeport*
Gerard Fountain, *New York City*
Alexander Lambert, *New York City*
William H. Sanford, *Newtown*

Harry A. Worcester, *Albany, N. Y.*
Charles L. Pardee, *New Haven*
Edward W. Potter, *New Haven*
Horace E. Hand, *Scranton, Pa.*
Charles E. Eaton, *Orange, N. J.*
Charles A. Watrous, *New Haven*
Harris D. Colt, *New York City*
Maxwell Evarts, *New York City*

The graduating class numbered one hundred and forty-eight.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, APRIL 3, 1884

ORATIONS

JONATHAN BARNES, *Springfield, Mass.*
JOHN CLOYSE BRIDGMAN, *Cleveland, O.*
HERBERT LIONEL DOGGETT, *Kansas City, Mo.*
EDWARD AUGUSTUS GEORGE, *Providence, R. I.*
EDWARD NEBLETT HIDDEN, *Cincinnati, O.*
GUY WARD MALLON, *Cincinnati, O.*
EUGENE LAMB RICHARDS, JR., *New Haven*
GEORGE EDGAR VINCENT, *New Haven*
PAUL IRVING WELLES, *Fayetteville, N. Y.*
HERBERT HENRY WHITE, *New Haven*
LEVI OLMSTED WIGGINS, *Newburgh, N. Y.*

John H. Booth, *Vergennes, Vt.*
Charles L. Carhart, *Peekskill, N. Y.*
Wilbur L. Cross, *Gurleyville*
John D. Ferris, *Chatham, N. J.*
Walter F. Frear, *Oakland, Cal.*
James R. Joy, *Groton, Mass.*
William P. Morrison, *Cincinnati, O.*
Wilfred J. Worcester, *Albany, N. Y.*

Herbert J. Boggis, *Cleveland, O.*
John C. Flanders, *Portland, Oregon*
Frederic W. Francis, *Newington*
Charles B. Hobbs, *Brooklyn, N. Y.*
William Jarvis, *Louisville, Ky.*
David W. Mulvane, *Topeka, Kansas*
Atherton Noyes, *Wilmington, Mass.*
Robert J. Pitkin, *Denver, Col.*
George A. Sanderson, *Littleton, Mass.*
Frank R. Shipman, *Hartford*
Otis Strong, *Auburn, N. Y.*

DISSERTATIONS

John H. Briggs, *Auburn, Me.*
Colin S. Buell, *Madison*
Lewin F. Buell, *Madison*
Edw. H. Chandler, *Auburndale, Mass.*
Harry G. Chase, *Lake View, Ill.*
Augustin A. Crane, *New Haven*
Geo. S. Dickinson, *Worcester, Mass.*
Richard Ellis, *Peekskill, N. Y.*
Walter A. Hawley, *San Francisco, Cal.*
George T. Linsley, *New Haven*
John S. Pardee, *New Haven*
John W. Platner, *Newark, N. J.*
Lucius F. Robinson, *Hartford*
Joseph C. Smith, *Brookfield*
Charles S. Wiley, *Charleston, Ill.*

DISPUTES

Clifford B. Allen, *St. Louis, Mo.*
William M. Carhart, *Peekskill, N. Y.*
William W. Crehore, *Cleveland, O.*
Charles E. Cushing, *Bath, Me.*
Lambert Foster, *Plainfield, N. J.*
Herbert R. Green, *Reading, Pa.*
Charles E. Harris, Jr., *New Haven*
Rodney Macdonough, *Philadelphia, Pa.*
William Maxwell, *Rockville*
David Plessner, *Holden, Mo.*
Oramel W. Pratt, *Salem*
George F. Stacy, *Stacyville, Iowa*

Lucius O. Baird, *Chicago, Ill.*
Frank B. Brandegee, *New London*
Charles S. Dodge, *New York City*
Harlow S. Gale, *Minneapolis, Minn.*
Benjamin K. Heaton, *Philadelphia, Pa.*
Edwin F. Norton, *Homer, N. Y.*
Manly D. Ormes, *Tuscola, Mich.*
Lyman P. Peet, *West Haven*
Wm. T. G. Weymouth, *Beaufort, S. C.*

COLLOQUIES

Henry deF. Baldwin, *New York City*
Frederic Barnard, *Poughkeepsie, N. Y.*
Henry B. Cosgrove, *Brooklyn, N. Y.*
Wilfred E. Eaton, *Orange, N. J.*
John W. Gavin, *New Haven*
William G. Green, *New Milford*
Henry K. Harrison, *Birdsboro, Pa.*
Ernest H. Hunter, *Chicago, Ill.*
Carrington R. Stiles, *E. Bloomfield, N. Y.*
Richard S. Storrs, *Orange, N. J.*
Wm. T. Tomlinson, *Georgetown, Del.*
Joseph H. Townsend, *New Haven*
Frank Van Allen, *Ravenswood, Ill.*
Charles L. Way, *Hartford*
Geo. H. Woodhull, *Baiting Hollow, N. Y.*

Ernest R. Adee, *Westchester, N. Y.*
Francis P. Bacheler, *Woodstock*
William S. Case, *Granby*
Henry Fresenius, *New Haven*
James B. Keogh, *Chicago, Ill.*
Hervey DeL. Leland, *Utica, N. Y.*
Robert A. Sands, *New York City*

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—WILBUR F. BOOTH, B.A., Class of 1884.
SOLDIERS' MEMORIAL Fellow—JOSEPH M. LEWIS, B.A., Class of 1883.
SILLIMAN Fellow—JULIUS H. PRATT, JR., B.A., Class of 1882.

DEPARTMENT OF THEOLOGY:

HOOKER Fellow, Class of 1883—GEORGE W. HENDERSON, M.A.
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OF THE

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OF

YALE COLLEGE,

With a Statement of the Course of Instruction in the Various Departments,

1885–86

NEW HAVEN:
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1885

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ABBREVIATIONS

A.	Absent on leave
C.	Old Chapel
D.	Durfee College
E.	East Divinity Hall
F.	Farnam College
L.	Lyceum
N.	North College
N. M.	North Middle College
N. S. H.	North Sheffield Hall
S.	South College
S. H.	Sheffield Hall
S. M.	South Middle College
TR.	Treasury Building
W.	West Divinity Hall

Upon the College Square, the rooms numbered from 1 to 32 are in South College; from 33 to 64 in South Middle College; from 65 to 96 in North Middle College; from 97 to 128 in North College; from 129 to 177 in Farnam College; from 178 to 185 in the Lyceum; from 186 to 200 in the Old Chapel; from 201 to 240 in Durfee College.

The rooms in East Divinity Hall are numbered from 1 to 54; in West Divinity Hall from 55 to 124.

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CALENDAR

1885		
24 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
1 Oct.	Thursday	Fall Term, Department of Law, begins.
1 Oct.	Thursday	School of the Fine Arts, term begins.
1 Oct.	Thursday	First Term, Department of Medicine, begins.
16 Dec.	Wednesday	First Term, Department of Medicine, ends.
23 Dec.	Wednesday	FIRST TERM ends.

Winter Vacation of two weeks.

1886		
7 Jan.	Thursday	SECOND TERM begins.
14 Jan.	Thursday	Winter Term, Department of Law, begins.
31 March	Wednesday	Second Term, Department of Medicine, ends.
1 April	Thursday	Winter Term, Department of Law, ends.
15 April	Thursday	Spring Term, Department of Law, begins.
15 April	Thursday	Third Term, Dep't. of Medicine, begins.
15 April	Thursday	Junior Exhibition.
21 April	Wednesday	SPRING ACADEMICAL RECESS begins.
28 April	Wednesday	SPRING ACADEMICAL RECESS ends.
6 May	Thursday	Berkeley Scholarship Examination.
7 May	Friday	DeForest Prize Speaking.
18, 19 May	Tuesd., Wedn.	Annual Examination, Dep't. of Theology.
20 May	Thursday	Anniversary, Department of Theology.
24 May	Monday	Woolsey Scholarship Examination begins.
24 May	Monday	Winthrop Prize Examination.
31 May	Monday	School of the Fine Arts, term ends.
27 June	Sunday	Baccalaureate Sermon.
28 June	Monday	Presentation for Degrees, Academical Dep't.
28 June	Monday	Anniversary of the Department of Medicine.
29 June	Tuesday	Anniversary of the Society of Alumni.
29 June	Tuesday	Anniversary of the Sheffield Scientific School.
29 June	Tuesday	Anniversary of the Department of Law.
30 June	Wednesday	COMMENCEMENT.
1, 2, 3, July	Thursday, Friday, and Sat.	Examinations for admission to the Academical Department and to the Sheffield Scientific School.

Summer Vacation of twelve weeks.

21, 22 Sept.	Tuesd., Wedn.	Examinations for admission.
23 Sept.	Thursday	FIRST ACADEMICAL TERM begins.
30 Sept.	Thursday	Fall Term, Department of Law, begins.
23 Dec.	Thursday	FIRST TERM ends.

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JUNIOR CLASS, 38

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JUNIOR CLASS, 29

SUMMARY.

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SPECIAL,	2
SENIORS,	23
JUNIORS,	29
TOTAL,	62

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Henry Holbrook Gladding, PH.B.	*New Haven*	270 Martin st.
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J. WILLARD GIBBS, Ph.D.
ARTHUR W. WRIGHT, Ph.D.
Rev. WILLIAM M. BARBOUR, D.D.
EUGENE L. RICHARDS, B.A.
WILLIAM I. KNAPP, Ph.D.
FRANKLIN B. DEXTER, M.A., *Registrar*
TRACY PECK, M.A.
WILLIAM G. SUMNER, LL.D.
Rev. GEORGE T. LADD, D.D.
HENRY P. WRIGHT, Ph.D.
HENRY A. BEERS, B.A.
EDWARD S. DANA, Ph.D.
THOMAS D. SEYMOUR, M.A.
FRANK B. TARBELL, Ph.D.
WILLIAM BEEBE, B.A.
ANDREW W. PHILLIPS, Ph.D.
GEORGE BENDELARI, B.A.
ALFRED L. RIPLEY, B.A.
WILLIAM E. WATERS, B.A.
HORATIO M. REYNOLDS, B.A.
Rev. ALFRED B. NICHOLS, B.A.
WALTER R. BRIDGMAN, B.A.
J. ERNEST WHITNEY, B.A.
EDWARD T. McLAUGHLIN, B.A.
FRANK F. ABBOTT, B.A.
WILLIAM PRICE, B.A.

SENIOR CLASS

Charles Francis Adams	*Westport*	28 S.
John Charles Adams	*Oakland, Cal.*	218 D.
Norman Ilsley Adams	*Boston, Mass.*	54 S. M.
Warren Austin Adams	*Skaneateles, N. Y.*	134 F.
Joseph Lincoln Adler	*Cincinnati, O.*	227 D.
Zachariah Nelson Allen	*Brooklyn, N. Y.*	219 D.
Arthur Nathaniel Alling	*New Haven*	53 S. M.
Henry Semple Ames	*St. Louis, Mo.*	166 F.
Paul Kimball Ames	*Minneapolis, Minn.*	103 N.
William Burrall Anderson	*New York City*	232 D.
Benjamin Harris Anthony	*New Bedford, Mass.*	105 N.
Robert Appleton	*New York City*	232 D.
Bartlett Arkell	*Canajoharie, N. Y.*	222 D.
Edward Sawyer Bacon	*Dover, N. H.*	168 F.
Charles Lukens Bailey, Jr.	*Harrisburg, Pa.*	231 D.
Harvey Brown Bashore	*West Fairview, Pa.*	87 N. M.
Everett Alanson Bates	*Danielsonville*	31 S.
John Beadle	*New Haven*	137 College st.
Porter Beardsley	*Auburn, N. Y.*	239 D.
Eli Beers	*Bridgewater*	63 S. M.
Daniel Doane Bidwell	*East Hartford*	164 F.
Louis Bennett Bishop	*New Haven*	214 D.
George Hathaway Bixby	*Los Angeles, Cal.*	29 S.
Edward Newton Brandegee	*Berlin*	101 N.
William Partridge Brandegee	*Elizabeth, N. J.*	235 D.
Samuel Kimball Bremner	*Boxford, Mass.*	139 F.
Joseph Sharswood Brinton	*Philadelphia, Pa.*	159 F.
Cornelius Gardner Bristol	*Milford*	181 L.
Henry Stanford Brooks, Jr.	*San Francisco, Cal.*	228 D.
William Adams Brown	*New York City*	170 F.
Carl Darling Buck	*Bucksport, Me.*	211 D.
Wilson Lee Cannon, Jr.	*Dover, Del.*	100 N.
William White Capron	*Albany, N. Y.*	214 D.
Theophilus Ransom Carter	*Erie, Pa.*	224 D.
Wilson Catherwood	*Philadelphia, Pa.*	212 D.
Francis Asbury Christian	*Canandaigua, N. Y.*	217 York st.
Lawrence William Churchill	*Oswego, N. Y.*	159 F.
Charles Franklin Clarke	*Columbia*	30 S.
Charles Nelson Codding	*Collinsville*	221 D.
Austen Colgate	*Orange, N. J.*	174 F.
Sidney Morse Colgate	*Orange, N. J.*	228 D.
Michael Francis Connor	*Chicopee, Mass.*	47 S. M.
Francis Rexford Cooley	*Hartford*	176 F.
John Joseph Corkery	*Norwich*	22 S.
Gibbons Gray Cornwell	*West Chester, Pa.*	132 F.
Alfred Cowles, Jr.	*Chicago, Ill.*	177 F.

Stanford Tappan Crapo	*New Bedford, Mass.*	105 N.
William Randall Crawford	*Chicago, Ill.*	238 D.
William Williams Crehore	*Cleveland, O.*	6 S.
Thomas Darling	*Wilkesbarre, Pa.*	143 F.
Benjamin Joseph Davis	*New Haven*	285 Orange st.
Thomas Mills Day, Jr.	*Hartford*	235 D.
Calvin Dickey	*Cincinnati, O.*	103 N.
Thomas Frank Dougherty	*Waterbury*	144 F.
Judson Shultz Dutcher	*Ellenville, N. Y.*	31 S.
Percy Edgar	*New York City*	134 F.
George Edwin Eliot, Jr.	*Clinton*	106 N.
Abraham Lincoln Fellows	*Norwich*	181 L.
George Otis Fellows	*Norwich*	181 L.
Richard Thomas Francke	*New York City*	237 D.
William Morgan Gallup	*Norwich*	26 S.
Arthur Goebel	*Covington, Ky.*	116 N.
Nicholas Minor Goodlett, Jr.	*Evansville, Ind.*	238 D.
Chauncey William Goodrich	*New York City*	174 F.
William Burton Goodwin	*Biddeford, Me.*	25 S.
Willis Horace Goodyear	*New Haven*	217 D.
Louis Moen Grant	*Chicago, Ill.*	160 F.
Walter Greenwood Graves	*New Haven*	215 D.
John King Griffith	*Cynthiana, Ky.*	169 F.
Charles Jared Griggs	*Waterbury*	216 D.
Edwin Trowbridge Hall	*Binghamton, N. Y.*	237 D.
Lewis Birely Hamilton	*Waterbury*	221 D.
Charles Edward Hellier	*Bangor, Me.*	29 S.
Ralph Hickox	*New York City*	175 F.
Henry Ewing Hord	*Indianapolis, Ind.*	167 F.
Frederick Buell Hungerford	*Adams, Mass.*	211 D.
Washington Irving Hunt	*Columbus, Mich.*	119 N.
Charles Livingston Hyde	*Plainfield, N. J.*	219 D.
Herbert Armstrong Jaggard	*Altoona, Pa.*	169 F.
Charles Henry Jeffras	*Cincinnati, O.*	28 S.
George Lyle Kingsley	*Rome, N. Y.*	234 D.
Willey Lyon Kingsley	*Rome, N. Y.*	234 D.
Wallace Percy Knapp	*New York City*	206 D.
Frank Henry Knight	*East Hartland*	118 York st.
David Denison Lambert	*New Haven*	163 Bradley st.
Elliot Cowdin Lambert	*New York City*	143 F.
Dudley Leavitt	*Pittsfield, Mass.*	144 F.
James Wright Lee, Jr.	*Cleveland, O.*	57 S. M.
Charlton Miner Lewis	*New York City*	108 N.
William McElroy	*Albany, N. Y.*	213 D.
Charles Thompson Mathews	*New York City*	72 W.
Charles Hale Matthews	*Chicago, Ill.*	163 F.
Charles Albert Moore	*Columbus, O.*	104 N.
Daniel Agnew Moore	*St. Louis, Mo.*	166 F.
Frank Gardner Moore	*Columbus, O.*	104 N.

Frederick Wightman Moore	*New London*	133 F.
Edward Broadbent Morgan	*Denver, Col.*	163 F.
Charles Rockwell Morley	*Cleveland, O.*	239 D.
George Rudolf Mosle	*New York City*	206 D.
Henry Townsend Nason	*Troy, N. Y.*	222 D.
William Ebenezer Nichols	*East Haddam*	217 D.
Charles Fredrick Odell	*Tarrytown, N. Y.*	137 F.
John Henry Painter	*Kittanning, Pa.*	155 F.
William Henry Parks	*Clinton*	65 N. M.
Edward Wright Peet	*West Haven*	30 S.
Frank George Peters	*Syracuse, N. Y.*	168 F.
Arthur Stevens Phelps	*New Haven*	44 High st.
Edward Johnson Phelps	*Andover, Mass.*	173 F.
Sheffield Phelps	*Englewood, N. J.*	178 L.
Charles Wheeler Pierson	*Florida, N. Y.*	108 N.
Robert Latimer Redfield	*New York City*	140 F.
Edward Winthrop Reid	*Lakeville*	148 F.
Arleigh Dygert Richardson	*Ilion, N. Y.*	204 D.
John Frederic Roache	*North Andover, Mass.*	65 N. M.
William Alfred Robbins	*Brooklyn, N. Y.*	132 F.
Harry Leighton Rollins	*Wellesley, Mass.*	1079 Chapel st.
Lucius Chester Ryce	*Hartford*	25 S.
John Christopher Schwab	*New York City*	148 F.
Samuel Washington Scott	*New Haven*	113 N.
Frederic Norris Sewall	*Bath, Me.*	106 N.
Henry Dusenbury Shelden	*Detroit, Mich.*	180 L.
Arthur Leffingwell Shipman	*Hartford*	176 F.
Edward Colhoun Smith	*St. Joseph, Mo.*	204 D.
Edward Lincoln Smith	*Montpelier, Vt.*	26 S.
Floyd Robinson Smith	*Jersey City, N. J.*	38 S. M.
George Clark Smith	*Newburgh, N. Y.*	57 S. M.
William Cromwell Sprague	*Ogdensburg, N. Y.*	224 D.
Thomas Calhoun Stearns	*Tipton, Mo.*	119 N.
Walter Gay Stebbins	*Springfield, Mass.*	216 D.
Philip Battell Stewart	*Middlebury, Vt.*	173 F.
Edgar Crane Stiles	*Hartford*	101 N.
William Martin Strauss	*Poughkeepsie, N. Y.*	39 S. M.
Frederick Cumings Truslow	*Brooklyn, N. Y.*	218 D.
Rollin Usher Tyler	*Tylerville*	164 F.
Francis Joseph Vernon	*Brooklyn, N. Y.*	212 D.
Henry Stephens Washington	*New Haven*	213 D.
Thomas Glasby Waterman	*Detroit, Mich.*	180 L.
John Whitmore	*New Haven*	147 Bradley st.
Frank Edward Wing	*Conway, Mass.*	227 D.
Dudley Winston	*Chicago, Ill.*	177 F.
Frederick James Winston	*New York City*	139 F.
Evans Woollen	*Indianapolis, Ind.*	107 N.

SENIORS, 142

JUNIOR CLASS

William Maitland Abell	*Franklin*	88 N. M.
Charles Adams	*Litchfield*	129 F.
Chandler Parsons Anderson	*New York City*	229 D.
James Archbald, Jr.	*Scranton, Pa.*	158 F.
Arthur John Arn	*Wyandotte, Kan.*	27 S.
Willoughby Babcock	*New Haven*	90 N. M.
Charles Francis Baldwin	*Princeton, Ill.*	92 W.
Rodmond Vernon Beach	*New Haven*	320 Temple st.
Gerald Hamilton Beard	*Chicago, Ill.*	143 York st.
John Bennetto	*New Haven*	59 Prospect st.
Elmer Fox Berkele	*New Haven*	43 S. M.
Lewis Sherrill Bigelow	*St. Paul, Minn.*	38 Elm st.
Leslie Dayton Bissell	*Saxton's River, Vt.*	8 S.
Edward Lydston Bliss	*Newburyport, Mass.*	69 N. M.
Allan Blair Bonar	*Marquette, Mich.*	146 F.
Dwight Eliot Bowers	*New Haven*	209 Crown st.
Arthur Wolfe Brady	*Muncie, Ind.*	73 N. M.
William Sinclair Brigham	*Savannah, Ga.*	231 D.
William Barrett Brinsmade	*Brooklyn, N. Y.*	183 L.
Ellis Henry Roberts Brooks	*New York City*	140 F.
Wilson Brooks	*Austin, Texas*	251 Crown st.
Carleton Lewis Brownson	*New Canaan*	130 F.
Edward Lathrop Burke	*Chicago, Ill.*	42 S. M.
William Savage Burns	*Bath, N. Y.*	131 F.
Ernest LeRoy Caldwell	*Windsor*	10 S.
Middleton Arnold Caldwell	*Newburyport, Mass.*	3 S.
Victor Bush Caldwell	*Omaha, Nebr.*	84 Wall st.
Schuyler Casemate Carlton	*Cleveland, O.*	233 D.
Walter Boughton Chambers	*Brooklyn, N. Y.*	226 D.
Frederick Starkweather Chase	*Waterbury*	158 F.
Francis Cameron Clarke	*Sing Sing, N. Y.*	138 F.
Sanford Ellsworth Cobb	*Orange, N. J.*	202 D.
Frank Cochrane	*Coxsackie, N. Y.*	11 S.
Alfred Coit	*New London*	233 D.
Ira Clifton Copley	*Aurora, Ill.*	202 D.
William Aaron Cornish	*Gillette, N. J.*	72 N. M.
Robert Nelson Corwin	*Baiting Hollow, N. Y.*	75 N. M.
William Hutchinson Cowles	*Chicago, Ill.*	16 S.
Alexander Brown Coxe	*New York City*	203 D.
John Cullinan, Jr.	*Bridgeport*	82 N. M.
Joseph Thomas Cunningham	*Norwich*	22 S.
John Hubbard Curtis	*New Haven*	91 N. M.
Thomas Hamlin Curtis	*New Haven*	91 N. M.
Henry Alexander Dann	*Susquehanna, Pa.*	69 N. M.

John Caspar Diehl	*Erie, Pa.*	121 N.
Willard Robinson Douglass	*Leavenworth, Kan.*	40 S. M.
Clarence Clark Ferris	*Sound Beach*	44 S. M.
Harry Burr Ferris	*Sound Beach*	44 S. M.
Bernard Francis Gaffney	*New Britain*	47 S. M.
Robert Alexander Gardiner	*New Haven*	129 Whitney av.
Andrew Frink Gates	*Lebanon*	7 S.
John Minor Gillespie	*Hard Times Landing, La.*	161 F.
Clarence Glisan	*Portland, Oregon*	14 S.
Edward Winchester Goodenough	*Winchester*	1 S.
Madison Grant	*New York City*	978 Chapel st.
Robert Beers Gray	*Birmingham*	4 S.
William Jessup Hand	*Scranton, Pa.*	230 D.
Clinton Larue Hare	*Indianapolis, Ina.*	9 S.
Frederic Wells Hart	*Plainville*	11 S.
Horace Sedgwick Hart	*New Haven*	14 S.
Clifford Wayne Hartridge	*Savannah, Ga.*	154 F.
George Griswold Haven, Jr.	*New York City*	203 D.
Robert Forbes Hawkes	*New Haven*	44 Trumbull st.
Theodore Stone Hawley	*San Francisco, Cal.*	32 S.
Frederick Trevor Hill	*New York City*	2 S.
George Edwin Hill	*Stamford*	209 D.
Charles Mills Hinkle	*Cincinnati, O.*	225 D.
Clarke Wesley Holly	*Philadelphia, Pa.*	152 F.
Frank Clifford Howe	*Peoria, Ill.*	130 F.
John Howard Hume	*Poughkeepsie, N. Y.*	162 F.
Albert Gay Hunt	*Scranton, Pa.*	156 F.
DeWitt Clinton Huntington	*West Bingham, Pa.*	92 N. M.
Louis Kepler Hyde	*Plainfield, N. J.*	157 F.
Obed Wilson Irvin	*Dayton, O.*	97 N.
Henry Ivison	*New York City*	129 F.
Robert Irving Jenks	*Newport, N. H.*	162 F.
Charles Bulkley Jennings	*Fairfield*	209 D.
Oliver Gould Jennings	*Fairfield*	229 D.
Allen Wardner Johnson	*Watertown*	73 N. M.
Charles Keeler	*Auburn, N. Y.*	182 L.
John Bassett Keep	*Brooklyn, N. Y.*	18 S.
William Burrage Kendall, Jr.	*Brooklyn, N. Y.*	16 S.
William Kent	*San Rafael, Cal.*	201 D.
Henry Belden Ketcham	*Dover Plains, N. Y.*	141 F.
John Scott King	*Unionville*	4 S.
John Henry Kirkham	*Newington*	85 N. M.
Charles Asher Knight	*Peekskill, N. Y.*	15 S.
Samuel Knight	*Oakland, Cal.*	210 D.
Yan Phou Lee	*Fragrant Hills, China*	90 N. M.
Alfred Leeds	*Stamford*	179 L.
Frank Dodge Leffingwell	*Montclair, N. J.*	13 S.
John Leverett	*Binghamton, N. Y.*	13 S.
Robert Hart Lewis	*New Haven*	438 George st.
Charles Henry Ludington, Jr.	*New York City*	183 L.

William Howard Ludington	*New York City*	170 F.
James McCormick, Jr.	*Harrisburg, Pa.*	17 S.
William McCormick	*Harrisburg, Pa.*	55 S. M.
Robert Maxwell	*Rockville*	37 S. M.
Henry Lawton May	*North Brookfield, Mass.*	12 S.
Frank Adams Meacham	*Fort Douglas, Utah*	146 F.
Joseph Weed Middlebrook	*Wilton*	15 S.
Clarence Tomlinson Morse	*Chicago, Ill.*	46 S. M.
Richard Dana Morse, Jr.	*Newton Highlands, Mass.*	23 S.
George Francis Nesbitt	*Kingston, Pa.*	145 F.
Edward Hiram Norton, Jr.	*Torrington*	23 S.
Irving Olmstead	*Stamford*	131 F.
Homer Tomlinson Partree	*Woodbury*	43 S. M.
Louis Harman Peet	*Brooklyn, N. Y.*	71 N. M.
Arthur Reed Pennell	*Brunswick, Me.*	72 N. M.
Thomas Penney	*London, England*	92 N. M.
Thomas Norwood Penrose	*Philadelphia, Pa.*	12 S.
Arthur Perkins	*Hartford*	49 S. M.
Herbert Farrington Perkins	*Harvard, Mass.*	138 F.
George Daniel Pettee	*Sharon, Mass.*	40 S. M.
William Lyon Phelps	*New Haven*	44 High st.
Frederic Smith Pickett	*Tariffville*	10 S.
Robert William Playford	*Uniontown, Pa.*	978 Chapel st.
Frederic Hopkins Pomeroy	*Lockport, N. Y.*	165 F.
John Norton Pomeroy	*San Francisco, Cal.*	37 S. M.
Thomas Wyman Porter	*Montclair, N. J.*	156 F.
Albert Richard Pritchard	*Rochester, N. Y.*	161 F.
John Rogers, Jr.	*Stamford*	201 D.
Benjamin Romaine	*San Francisco, Cal.*	60 S. M.
Edward Tallmadge Root	*Springfield, O.*	569 Elm st.
Isaac Grant Rosenzweig	*Erie, Pa.*	121 N.
Thomas Frederick Sanford	*Redding*	112 N.
Charles Otis Scoville	*Montpelier, Vt.*	8 S.
William Albert Setchell	*Norwich*	88 N. M.
Lewis Seymour	*Binghamton, N. Y.*	210 D.
James Rockwell Sheffield	*Utica, N. Y.*	208 D.
Walter Bradley Sheppard	*Penn Yan, N. Y.*	165 F.
John Calhoun Simonds	*Charleston, S. C.*	145 F.
Frank Clifton Smith	*Gurleyville*	7 S.
Paul Spencer	*Brooklyn, N. Y.*	71 N. M.
Fred Sprague	*Chicago, Ill.*	142 F.
Edward Staehlin	*Newark, N. J.*	59 Prospect st.
Maximilian Lincoln Stein	*Milwaukee, Wisc.*	1173 Chapel st.
Thomas Hunt Talmage	*Brooklyn, N. Y.*	179 L.
William Pirrie Taylor	*Southbridge, Mass.*	60 S. M.
William Larned Thacher	*New Haven*	55 S. M.
Richard Simms Thomas	*Boonton, N. J.*	9 S.
Joseph Lyle Thornton, Jr.	*Middletown, O.*	27 S.
William Austin Tomes	*Brooklyn, N. Y.*	18 S.
Charles Louis Torrey	*Putnam*	113 N.

Howard Crosby Tracy	*Plainfield, N. J.*	157 F.
Elford Parry Trowbridge	*New Haven*	215 D.
Francis Bacon Trowbridge	*New Haven*	284 Crown st.
Wm. Rutherford Hayes Trowbridge, Jr.	*New Haven*	39 College st.
Frank Day Tuttle	*Brooklyn, N. Y.*	226 D.
James Johnston Waring, Jr.	*Savannah, Ga.*	154 F.
William Xenophon Weed	*Stamford*	60 Lyon st.
Frederic Roger Whittlesey	*Southington*	85 N. M.
Frederick Searls Woodward	*Brooklyn, N. Y.*	152 F.
George Stanley Woodward	*Wilkesbarre, Pa.*	208 D.
Roger Sherman Wotkyns	*Chicago, Ill.*	142 F.
Warren Samuel Yates	*Omaha, Nebr.*	84 Wall st.
George Hurlbut Young	*New York City*	225 D.

JUNIORS, 157

SOPHOMORE CLASS

Edmund Allen	*St. Louis, Mo.*	223 D.
Joshua Wilson Allen	*Hartford*	67 N. M.
Hallock Calvin Alvord	*Gloversville, N. Y.*	98 N.
Edward Francis Ayres	*New Canaan*	191 C.
Leonard Woolsey Bacon, Jr.	*Philadelphia, Pa.*	186 C.
William Pitt Baldwin	*New Haven*	32 Martin st.
Elmore Sherwood Banks	*Southport*	8 Sylvan av.
Harry Beecher	*Brooklyn, N. Y.*	220 D.
Jesse Hatch Behrends	*Brooklyn, N. Y.*	44 Elm st.
Francis Bergstrom	*Minneapolis, Minn.*	74 N. M.
William Bascom Bissell	*Lakeville*	66 N. M.
Henry Whiting Boies	*Scranton, Pa.*	98 N.
Clayton Harcourt Brigham	*Savannah, Ga.*	1098 Chapel st.
Robert Tillson Brinton	*Media, Pa.*	34 S.
George Olney Brott	*Thompson*	81 N. M.
Louis Righter Brown	*Auburn, N. Y.*	193 C.
Henry Barnard Brownell	*Hartford*	191 C.
Philip Dibble Bunce	*Hartford*	192 C.
Winthrop Grant Bushnell	*New Haven*	45 S. M.
Arthur Kennard Buxton	*Brooklyn, N. Y.*	629 Chapel st.
William Campbell	*New York City*	34 S.
Laurance Johnson Carmalt	*New Haven*	89 Elm st.
John Franklin Carter	*Orange, N. J.*	109 Elm st.
Benjamin Austin Cheney	*New Haven*	45 Elm st.
William Spencer Clark	*Granby, Mass.*	64 S. M.
Albert St.Clair Cook	*Hartford*	223 York st.
Harlan Ward Cooley	*Dubuque, Iowa*	187 C.
Charles Edward Cornwall	*New Haven*	43 Dwight pl.
Willis Gaylord Cosad	*Phelps, N. Y.*	147 F.
Harry Hall Covell	*Rochester, N. Y.*	74 N. M.
Samuel Monod Cross	*Westerly, R. I.*	135 F.
Alfred Anthony Dennis	*Woodstock*	213 Crown st.

George Perkins Douglas	*Minneapolis, Minn.*	33 S. M.
Thomas Burnham Enders	*Hartford*	64 S. M.
Edward Sherman Farrington	*Brooklyn, N. Y.*	126 High st.
Edward Colton Fellowes	*Hartford*	190 C.
Dudley Ferguson	*Cincinnati, O.*	67 N. M.
Irving Fisher	*New Haven*	115 Park st.
William Howard Fitzgerald	*Chicago, Ill.*	1098 Chapel st.
George Barber Fowler	*Thompsonville*	192 C.
Hervey Richards Franklin	*North Attleboro, Mass.*	151 F.
Asa Oran Gallup	*Oneida, N. Y.*	76 N. M.
George Metcalf Gill	*Orange, N. J.*	107 York st.
Josiah Spalding Graham	*St. Louis, Mo.*	237 Orange st.
Harold Russell Griffith	*Springfield, Mass.*	109 Elm st.
Henry Huntley Haight	*Alameda, Cal.*	82 Wall st.
Alfred Hand, Jr.	*Scranton, Pa.*	230 D.
Daniel Bailey Hardenbergh	*Port Jervis, N. Y.*	84 N. M.
Eugene Wendell Harter	*Albany, N. Y.*	61 S. M.
Frank Rufus Herrick	*Cleveland, O.*	193 C.
James Ormerod Heyworth	*Chicago, Ill.*	1098 Chapel st.
Frank Wells Hubbard	*Litchfield*	149 F.
Dorr Albert Hudson	*Wakefield, Mass.*	63 S. M.
Richard Melancthon Hurd	*New York City*	82 Wall st.
Moses Jacob Husinsky	*New Haven*	552 East st.
Orland Sidney Isbell	*New Haven*	116 Howe st.
John Couzu Kebabian	*Rodosto, Turkey*	99 N.
Charles Allen Klots	*Brooklyn, N. Y.*	135 F.
John Jacob Kutz	*Reading, Pa.*	109 Elm st.
Wolcott Griswold Lane	*Sandusky, O.*	59 S. M.
Jesse Thomas Lazear	*Pittsburgh, Pa.*	1157 Chapel st.
Theodore Lockwood Leverett	*Binghamton, N. Y.*	20 S.
Clarence Wyman Lincoln	*Philadelphia, Pa.*	64 High st.
George Horace Lorimer	*Chicago, Ill.*	120 York st.
William Loving, Jr.	*St. Joseph, Mo.*	81 N. M.
Albert Charles Lux	*Clyde, N. Y.*	62 S. M.
Harry Weber McCauley	*Reading, Pa.*	48 S. M.
Charles Berghaus McConkey	*Harrisburg, Pa.*	149 F.
Joseph McElroy, Jr.	*Kansas City, Mo.*	35 High st.
James Howard McMillan	*Detroit, Mich.*	1002 Chapel st.
William Davis Manro	*Auburn, N. Y.*	56 S. M.
Frederic William Mar	*West Haven*	99 N.
Gard Maynard	*Marquette, Mich.*	112 N.
Duncan Salisbury Merwin	*New Haven*	387 Temple st.
Carl Meyer	*Chicago, Ill.*	126 High st.
Frank Vincent Millard	*Tarrytown, N. Y.*	48 S. M.
Arthur Lewis Moore	*New York City*	59 S. M.
David Whipple Morison	*Minneapolis, Minn.*	1098 Chapel st.
Charles Neave	*Cincinnati, O.*	123 N.
Harold VanMeter Ogden	*Chicago, Ill.*	151 F.
Frederic Holmes Paine	*Bangor, Me.*	45 S. M.

Lucius Noyes Palmer	*Brooklyn, N. Y.*	24 S.
Frank Ilsley Paradise	*Andover, Mass.*	190 C.
William Andrews Parshall	*Port Jervis, N. Y.*	84 N. M.
Edwin Parsons	*New York City*	161 Orange st.
George Madison Pavey	*Washington C. H., O.*	139 Elm st.
Harrison Grey Platt	*Milford*	62 S. M.
Edward Pond	*San Francisco, Cal.*	201 Orange st.
Philip Pond	*New Haven*	220 Whalley av.
Herbert Warren Porter	*Bridgeport*	188 C.
Alfred Raymond	*Brooklyn, N. Y.*	64 High st.
Thomas Emerson Ripley	*Rutland, Vt.*	187 C.
Samuel Sidney Breese Roby	*Rochester, N. Y.*	172 F.
William Henry Rumpf, Jr.	*Brooklyn, N. Y.*	126 High st.
Benjamin William Schwab	*New York City*	123 N.
James Robert Seeley	*Bridgeport*	188 C.
William Henry Seward, Jr.	*Auburn, N. Y.*	182 L.
Edward Leland Smith	*Ansonia*	33 S.
Fred Palmer Solley	*Orange, N. J.*	107 York st.
Hugh Spencer	*Corning, N. Y.*	191 C.
Amos Alonzo Stagg	*Orange, N. J.*	138 York st.
Leo Stein	*Chicago, Ill.*	126 High st.
Bernard Christian Steiner	*Baltimore, Md.*	61 S. M.
Henry Ebenezer Stevens, Jr.	*New York City*	76 N. M.
Edward Albert Stevenson	*Brooklyn, N. Y.*	10 Howe st.
Frederic Augustus Stevenson	*Brooklyn, N. Y.*	10 Howe st.
Henry Lewis Stimson	*New York City*	172 F.
William Stephen Stone	*New Britain*	35 High st.
John Hudson Storer	*Norwich*	186 C.
Henry Strunz	*Bristol*	114 N.
Eliphalet Bradford Terry	*Brooklyn, N. Y.*	90 High st.
Edward Seymour Thomas	*Providence, R. I.*	41 S. M.
Hector William Thomas	*New York City*	24 S.
Frank Lincoln Thompson	*Denver, Col.*	189 C.
Frank Burr Tibbals	*New Haven*	87 Trumbull st.
Edward Montclair Tillinghast	*Hope Valley, R. I.*	44 Elm st.
Herbert Cushing Tolman	*Hanover, Mass.*	138 College st.
Willard Lamb Velie	*Moline, Ill.*	242 York st.
Fred Ayer Verplanck	*Franklin*	147 F.
William Miller Vinton	*Athol, Mass.*	56 S. M.
Morison Remich Waite, Jr.	*Toledo, O.*	20 S.
Samuel Johnson Walker	*Chicago, Ill.*	223 D.
Frederic William Wallace	*Ansonia*	254 York st.
Brownlee Robertson Ward	*New Haven*	138 Temple st.
Asher Miner Wellman	*Friendship, N. Y.*	A.
Monroe Nichols Wetmore	*Lebanon*	66 N. M.
Arthur White	*Brooklyn, N. Y.*	220 D.
Porter Gouverneur Willett	*Buffalo, N. Y.*	143 College st.
Frank Lincoln Woodward	*Denver, Col.*	41 S. M.
Ephraim Miller Youmans	*New York City*	68 N. M.

SOPHOMORES, 130

FRESHMAN CLASS

Burr Reeve Abbe, Jr.	*Hartford*	74 Howe st.
William Whitney Ames	*Rockville*	1 TR.
William Lucius Armstrong	*Cleveland, O.*	111 N.
Henry Cornelius Atkins	*Indianapolis, Ind.*	128 N.
Arnold Plumer Austin	*Philadelphia, Pa.*	242 York st.
John Wallace Banks	*Guilford*	409 Temple st.
Donald McLean Barstow	*Flushing, N. Y.*	74 High st.
Horace Bennet Bartholomew	*Pottsville, Pa.*	395 Temple st.
John William Beckwith	*Chicago, Ill.*	1136 Chapel st.
Freeman Davidson Beerman	*Gouverneur, N. Y.*	61 Prospect st.
Ernest Smith Bishop	*Guilford*	409 Temple st.
Nathaniel Wheeler Bishop	*Bridgeport*	242 York st.
Dwight Walter Bissell	*Ahmednagar, India*	81 Wall st.
Lester Bradner, Jr.	*Dansville, N. Y.*	361 Temple st.
Walter Shaw Brewster	*Brooklyn, N. Y.*	252 York st.
Charles Twing Brooks	*Salem, O.*	72 High st.
Embury Browning	*Poughkeepsie, N. Y.*	120 High st.
Thomas Walter Buchanan	*Albany, Vt.*	80 N. M.
Kenneth Page Chumasero	*Chicago, Ill.*	1157 Chapel st.
Augustus Coburn	*Indianapolis, Ind.*	133 College st.
George Coggill	*New York City*	74 High st.
Walter Joseph Connor	*New Haven*	1439 State st.
William Herbert Corbin	*Hartford*	77 N. M.
Safford Arnold Crummey	*Poughkeepsie, N. Y.*	15 Home pl.
Thomas Mitchell Cullinan	*Bridgeport*	82 N. M.
William John Fletcher Dailey	*New York City*	223 York st.
William Chester DeForest Dickinson	*New Haven*	17 Ward st.
Thomas Elliott Donnelley	*Chicago, Ill.*	108 Dixwell av.
Eugene Henry Dupee	*Chicago, Ill.*	25 High st.
Louis Cazenove duPont	*Wilmington, Del.*	109 Wall st.
Frederick Wesley Ellis	*Ansonia*	65 Olive st.
Joseph Ralph Ensign	*Simsbury*	18 Trumbull st.
Joseph Grant Ewing	*Harrisburg, Pa.*	123 York st.
Samuel Herbert Fisher	*Cincinnati, O.*	231 York st.
Romayne Edwin Fitzgerald	*Chicago, Ill.*	120 York st.
Claude Lamot Forbes	*Canastota, N. Y.*	26 Academy st.
Leopold Joseph Francke	*New York City*	237 D.
Albert Myrick Freeman	*Provincetown, Mass.*	80 N. M.
John Randolph Galt	*Newburgh, N. Y.*	74 High st.
Edward James Gavegan	*Rockville*	110 N.
Charles Otis Gill	*Orange, N. J.*	107 York st.
Porter Beach Godard	*North Granby*	110 N.
William Brownell Goodwin	*Hartford*	82 Wall st.
John Cornelius Griggs	*Terryville*	77 N. M.

Robert Foote Griggs	*Waterbury*	295 York st.
Robert Hartshorne	*Highlands, N. J.*	79 N. M.
Charles Hegamin, Jr.	*Troy, N. Y.*	480 Elm st.
Edward Barrett Hinckley	*Northampton, Mass.*	92 York sq.
Howland Hoadley	*New York City*	126 N.
Jefferson Carter Hosea	*St. Joseph, Mo.*	192 York st.
Leverett Lord Hull	*Cincinnati, O.*	25 High st.
Joseph Selden Huntington, Jr.	*Lyme*	134 College st.
Robert Watkinson Huntington, Jr.	*Hartford*	109 N.
John DeCourcy Ireland	*New York City*	120 York st.
Ralph Isham	*Chicago, Ill.*	254 York st.
Benjamin Willard Jacobs	*Denver, Col.*	74 High st.
Arthur Edmands Jenks	*Brockton, Mass.*	62 Dwight st.
James Henry Keefe	*Chester, Mass.*	20 Whalley av.
George Jewett Kennedy	*Buffalo, N. Y.*	133 College st.
Charles Foster Kent	*Palmyra, N. Y.*	364 George st.
Charles Sherman King	*Wabash, Ind.*	252 York st.
Charles Chandler Griswold Lane	*Sandusky, O.*	111 N.
Elmer Francis Letcher	*Southbridge, Mass.*	41 High st.
Fred Nye Lindsay	*Troy, N. Y.*	94 N. M.
Olaus Edward Loe	*Grand Meadow, Minn.*	53 Prospect st.
Joseph Wilson Lucas	*Philadelphia, Pa.*	391 Temple st.
Robert Lee Luce	*Hartwick, N. Y.*	20 Whalley av.
Eugene Emile McCandliss	*Philadelphia, Pa.*	133 College st.
Percy Webb McClellan	*Woodstock*	213 Crown st.
Joseph Sprigg McMahon	*Dayton, O.*	61 Grove st.
William Adolph McQuaid	*New Haven*	20 Gilbert av.
Henry Latham Magruder	*Chicago, Ill.*	252 York st.
Henry Eager Mason	*Chicago, Ill.*	252 York st.
William Ross Matson	*Hartford*	76 High st.
Mark Edward Merrifield	*New York City*	257 Church st.
John Fuller Appleton Merrill	*Portland, Me.*	223 York st.
William Clifford Moore	*New York City*	109 Elm st.
Augustus Henry Mosle	*New York City*	114 College st.
Ashbel Barney Newell	*Chicago, Ill.*	242 York st.
Harry Ford Noyes	*Georgetown, Mass.*	95 N. M.
John Ball Osborne	*Wilkesbarre, Pa.*	9 Elm st.
William Herbert Page	*Ironton, O.*	89 Temple st.
Edward Lambe Parsons	*New Rochelle, N. Y.*	74 High st.
Charles Cook Paulding	*Peekskill, N. Y.*	109 Elm st.
George Clarke Peck	*New Haven*	224 Oak st.
Israel Hyman Peres	*Memphis, Tenn.*	238 York st.
Gifford Pinchot	*New York City*	90 High st.
Robert Treat Platt	*Milford*	Milford
Samuel Newman Pond	*Falls Church, Va.*	95 N. M.
Endicott Greenwood Putnam	*Brooklyn, N. Y.*	134 College st.
Harry Lathrop Reed	*Manchester, Vt.*	78 N. M.
Charles G. Reynolds	*Wolcott, N. Y.*	63 Prospect st.
Oliver Huntington Richardson	*New Britain*	35 High st.

Henry Seymour Robinson	*Hartford*	76 High st.
William Hayden Rockwell	*New York City*	114 College st.
James Gamble Rogers	*Chicago, Ill.*	128 N.
Robert Ogden Rogers	*Scarborough, N. Y.*	120 High st.
Henry Judson Sage	*Cincinnati, O.*	231 York st.
Frederic Henry Sanford	*Palmyra, N. Y.*	111 York st.
William Davis Sawyer	*Dover, N. H.*	391 Temple st.
Edmund Daniel Scott	*New Haven*	44 Vernon st.
Frederick Andrew Scott	*Terryville*	93 N. M.
Edward Ewing Sears	*Northampton, Mass.*	87 Trumbull st.
Thomas Gaskell Shearman	*Brooklyn, N. Y.*	150 College st.
Charles Hitchcock Sherrill, Jr.	*Washington, D. C.*	124 High st.
Charles Sanford Skilton	*Northampton, Mass.*	94 N. M.
Albert Leroy Skinner	*New Haven*	414 Orchard st.
Herbert Augustine Smith	*Worcester, Mass.*	127 N.
Samuel Lewis Smith	*Cleveland, O.*	391 Temple st.
Langdon Trufant Snipe	*Bath, Me.*	125 N.
Frederick Nelson Squire	*Stamford*	74 High st.
Horace Sheldon Stokes	*Detroit, Mich.*	76 High st.
Lewis Austin Storrs	*Hartford*	93 N. M.
Randolph Wanton Townsend	*New York City*	126 N.
Joseph Parsons Tuttle	*Unionville*	12 Lincoln st.
John Underhill	*Bath, N. Y.*	393 Temple st.
Charles Abernethy Valentine	*New York City*	154 Grove st.
Howard Wills Vernon	*Brooklyn, N. Y.*	96 N. M.
Horace Fletcher Walker	*Detroit, Mich.*	192 York st.
Thomas Pinckney Waring	*Savannah, Ga.*	1079 Chapel st.
Charles Milnor Washington	*New Haven*	251 Church st.
George Alvin Watkinson	*New Haven*	58 Dwight pl.
Lewis Sheldon Welch	*Hartford*	109 N.
Philip Patterson Wells	*Louisville, Ky.*	127 N.
DeWitt Clinton West	*Lowville, N. Y.*	155 Elm st.
Edmund Burr White	*Holbrook, Mass.*	76 Howe st.
James Thomas Whittlesey	*Washington, D. C.*	125 N.
Howard Hunter Williams	*North Adams, Mass.*	79 N. M.
William Carver Williams	*Kent, O.*	337 Crown st.
Albert Jason Willson	*Marion, Ind.*	35 High st.
Joseph Lafon Winchell	*New Haven*	36½ Clark st.
Andrew Ludwig Winters	*Reading, Pa.*	96 N. M.
George Washington Woodruff	*Dimock, Pa.*	78 N. M.
Horace Wylie	*Washington, D. C.*	124 High st.

FRESHMEN, 134

SHEFFIELD SCIENTIFIC SCHOOL

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WILLIAM PRICE, B.A.

GRADUATE STUDENTS

Charles Backus Ball, PH.B.	*Washington, D. C.*	A.
Samuel Eben Barney, C.E.	*New Haven*	363 Elm st.
John Bartholomew, PH.B.	*Hudson, N. Y.*	A.
Joseph Augustus Blake, B.A.	*New Haven*	134 College st.
Malcom Booth, PH.B.	*Cheshire*	Cheshire
Albert Park Campbell, PH.B.	*New Haven*	28 York sq.
Herbert DeWitt Carrington, PH.B.	*New Haven*	1169 Chapel st.
George Wyckoff Cummins, PH.B.	*Vienna, N. J.*	297 York st.
Arnold Guyot Dana, B.A.	*New Haven*	24 Hillhouse av.
Henry Holbrook Gladding, PH.B.	*New Haven*	270 Martin st.
Duane Judson Kelsey, PH.B.	*Killingworth*	Killingworth
Yung Kwai, B.A.	*Kwongtung, China*	318 George st.
William Ellison Lockwood, PH.B., M.D.	*Stamford*	146 Dixwell av.
William Wallace Nichols, PH.B.	*Manitou Springs, Col.*	A.
Louis Valentine Pirsson, PH.B.	*New York City*	8 Prospect pl.
Charles Gideon Rupert, PH.B.	*New Market, Va.*	109 High st.
James Alward Seymour, PH.B.	*Auburn, N. Y.*	114 High st.
William Tuttle Shepard, PH.B.	*Bristol*	17 College st.
John Prentice Terry, PH.B.	*Brooklyn, N. Y.*	90 High st.
George Elliot Verrill, PH.B.	*New Haven*	86 Whalley av.
Frederick Brewster Wheeler, PH.B.	*Monroe*	409 Temple st.
Henry Howard Whitehouse, PH.B.	*Hartford*	N. S. H.
Samuel Hubbard Williams, B.A. Amherst College	*Glastonbury*	128 High st.

GRADUATE STUDENTS, 23

SENIOR CLASS

William Allender	*New London*	68 W.
Gilbert Lincoln Husted Arnold	*Stamford*	107 Olive st.
William Wallace Atterbury	*Detroit, Mich.*	389 Temple st.
Silas Warren Bartlett	*South Orange, N. J.*	46 Elm st.
Henry William Blake	*New Haven*	119 W.
John Marvin Blakeley	*St. Paul, Minn.*	46 Elm st.
Howard Cone Bolton	*Cleveland, O.*	65 W.
Percival Ranney Bolton	*Cleveland, O.*	65 W.
Louis Whitford Bond	*New York City*	61 W.
Thomas Stoddard Bronson	*New Haven*	1460 Chapel st.
Harry Lockwood Burns	*Milford*	63 Prospect st.
Silas Enoch Burrows	*Mystic*	1010 Chapel st.
Lewis Emerson Cadwell	*New Haven*	106 Liberty st.
Theodore Newton Case	*Hartford*	287 York st.
John Chamberlain	*Kansas City, Mo.*	389 Temple st.
Frederick William Darlington	*West Chester, Pa.*	289 York st.
Alexander Harrison Davis	*Watertown*	116 W.
John Edwin Doane	*Chicago, Ill.*	36 Elm st.

Joseph Osterman Dyer	*Galveston, Tex.*	55 Insurance Building
Joseph Essex Fitzsimons	*Waterbury*	107 Olive st.
Robert Elder Forster	*Harrisburg, Pa.*	44 Elm st.
William Washington Gordon, 3d	*Savannah, Ga.*	43 College st.
James Eugene Greenebaum	*Chicago, Ill.*	63 w.
Everett Mason Grimes	*Oakland, Cal.*	64 High st.
Harry Cloyd Hamill	*Georgetown, Col.*	287 York st.
David Neil Harper	*Shippensburgh, Pa.*	297 York st.
Frank Sperry Harrison	*New Haven*	562 Chapel st.
Willis Benjamin Herr	*Denver, Col.*	287 York st.
Jay Russell Hickox	*South Britain*	270 Martin st.
William Brisbane Hickox	*Litchfield*	64 w.
William Barlow Hill	*Greenfield Hill*	17 College st.
Abraham Lincoln Howes	*Black Rock*	389 Temple st.
William Evelyn Hutchings	*Louisville, Ky.*	43 College st.
Morison Thomas Hutchinson	*Brooklyn, N. Y.*	36 Elm st.
Abraham Lincoln Hyde	*New Haven*	179 Washington st.
William David Johnson	*New Haven*	92 Rosette st.
Thomas Coggeshall Knowles	*San Francisco, Cal.*	389 Temple st.
Harrie Sheldon Leonard	*Washington, D. C.*	90 Wall st.
Cornelius Fay Lynde	*Rock Island, Ill.*	1187 Chapel st.
Mahlon Henry Marlin	*New Haven*	236 George st.
Frederick Anderson Marsh	*Kansas City, Mo.*	1187 Chapel st.
Conrad Henry Matthiessen	*Cornwall, N. Y.*	36 Elm st.
Edwin Frank Meyer	*Chicago, Ill.*	66 w.
George Perkins Miller	*Utica, N. Y.*	85 w.
Henry White Patten	*North Haven*	36 Elm st.
George Eustis Potts	*Philadelphia, Pa.*	71 w.
William Acker Rice	*St. Paul, Minn.*	36 Elm st.
Arthur Jones Richmond	*Providence, R. I.*	43 College st.
Samuel Bostwick Robbins	*Lakeville*	119 w.
Reginald Ronalds	*New York City*	43 College st.
Alexander Holley Rudd	*Lakeville*	389 Temple st.
Henry Rustin	*Omaha, Nebr.*	64 High st.
Emanuel Frank Selz	*Chicago, Ill.*	66 w.
Edwin Coupland Shaw	*Buffalo, N. Y.*	389 Temple st.
William Sanders Tevis	*San Francisco, Cal.*	36 Elm st.
John Metcalfe Thomas	*New York City*	43 College st.
Calvert Townley	*Cincinnati, O.*	101 w.
George Pollok Devereux Townsend	*Middletown*	101 w.
Thomas Brodhead VanBuren, Jr.	*Englewood, N. J.*	43 College st.
Henry Hayes Wadsworth	*Glencoe, Minn.*	Allingtown
Charles Willcox	*Omaha, Nebr.*	43 College st.
Rockwell Amasa Williams	*Canterbury*	61 Prospect st.
Willis Stoughton Williams	*Minneapolis, Minn.*	46 Elm st.

JUNIOR CLASS

Henry Frederick Adams	*Westport*	113 York st.
Robert Clayton Augur	*West Haven*	West Haven
Elmer Ellsworth Bennett	*Plainfield*	126 High st.
Walter Pierpont Bigelow	*New Haven*	278 Orange st.
Herbert Spencer Bullard	*Hartford*	1136 Chapel st.
Lewis Alexander Burgess	*Newark, N. J.*	55 W.
Richard Augustus Chapman	*Rye, N. Y.*	64 W.
William Henry Coburn	*Indianapolis, Ind.*	133 College st.
Harry Fitch Coleman	*Logansport, Ind.*	223 York st.
Lewis Atterbury Conner	*New Albany, Ind.*	389 Temple st.
David Mark Cummings	*Chicago, Ill.*	36 Elm st.
Julius Gilbert Day	*Seymour*	205 Orange st.
William Greenhow Doane	*Omaha, Nebr.*	64 High st.
Edward Warburton Durant, Jr.	*Stillwater, Minn.*	43 College st.
Isadore Dyer, Jr.	*Galveston, Tex.*	31 Trumbull st.
Arthur Mansfield Everit	*New Haven*	109 Elm st.
Raymond Thomson French	*Seymour*	36 Elm st.
Francis Frederic Georger	*New York City*	36 Elm st.
Robert Fisher Gibson	*York, Pa.*	297 York st.
Charles Joseph Goldmark	*New York City*	57 W.
Wilfred Elizur Griggs	*Waterbury*	55 Insurance Building
George Conradt Ham	*Washington Hollow, N. Y.*	44 Elm st.
Harry Leon Hamlin	*Chicago, Ill.*	43 College st.
Edgar Burton Harger	*Oxford*	150 College st.
Herbert Leopold Hart	*Chicago, Ill.*	63 W.
James Henry Hayden	*New York City*	58 W.
Joseph Cooke Jackson, Jr.	*New York City*	60 W.
Lawrence Bates Jenckes	*Stamford*	64 W.
Leonard Abbot Jenkins	*Dresden, Saxony*	124 W.
Charles Sherman Jewett	*Buffalo, N. Y.*	143 College st.
John Edwin Judson	*New Haven*	142 St. John st.
Frederick Sheffield Kellogg	*Utica, N. Y.*	43 College st.
Grayson Guthrie Knapp	*Auburn, N. Y.*	86 W.
Charles Wilbur Knox	*Pittsburgh, Pa.*	36 Elm st.
John Stewart Kulp	*Wilkesbarre, Pa.*	1161 Chapel st.
Isaac Eugene Leonard	*Chicago, Ill.*	203 York st.
Edward Linsley Maltby	*Northford*	297 York st.
Harry Zeller Marshall	*Dayton, O.*	90 Wall st.
Harley James Morrison	*Cincinnati, O.*	60 W.
William Partridge Ordway	*Boston, Mass.*	36 Elm st.
Edward Horatio Parker	*Detroit, Mich.*	43 College st.
Edmund Bishop Patterson	*Allegheny City, Pa.*	8 Prospect pl.
Frank Adelbert Paul	*New Haven*	27 Washington st.
Charles Eugene Phillips	*Southington*	14 Prospect pl.
William Thomas Rainey	*Cleveland, O.*	68 W.

Frank Clark Reed	*Pittsburgh, Pa.*	203 York st.
Harris Smith Reynolds	*Poughkeepsie, N. Y.*	43 College st.
George Brinckerhoff Richards	*New Haven*	43 Elm st.
John Robert Wheaton Sargent	*Chicago, Ill.*	36 Elm st.
William Marcelin Scaife	*Allegheny City, Pa.*	203 York st.
Oscar Harmon Short	*New York City*	43 College st.
Edward Arthur Smith	*Middletown*	8 Prospect pl.
Frink Mansfield Smith	*East Haven*	East Haven
George H. Smith	*Canajoharie, N. Y.*	43 College st.
Erwin Starr Sperry	*Ansonia*	41 High st.
Merton Pierpont Stevens	*New Haven*	561 Howard av.
Arthur Peale Summers	*Colorado Springs, Col.*	126 High st.
William Conquest Tucker	*New York City*	86 w.
Howard Beecher Tuttle	*Naugatuck*	242 York st.
Alfred John Wakeman	*Green's Farms*	113 York st.
Frank Otto Walther	*Brooklyn, N. Y.*	203 York st.
Nathaniel P. Washburn	*Bridgewater, Mass.*	223 York st.
Frank Warren Wentworth	*Chicago, Ill.*	1161 Chapel st.
Edward Gilbert Williams	*Essex*	47 Stanley st.
George Henry Wood	*Dayton, O.*	124 w.

JUNIORS, 65

FRESHMAN CLASS

Arthur Chambers Alexander	*Honolulu, H. I.*	59 Prospect st.
John Childe Anderson	*Sing Sing, N. Y.*	59 w.
Joseph Albright Archbald	*Scranton, Pa.*	223 York st.
Gardner Ball, Jr.	*San Francisco, Cal.*	109 Wall st.
William Hill Bean	*New Haven*	40 Pleasant st.
Charles Bart Berger	*Denver, Col.*	201 Orange st.
George Bart Berger	*Denver, Col.*	201 Orange st.
Theodore Whitney Blake	*New Haven*	134 College st.
Marshall Latham Bond	*New York City*	61 w.
William Tillinghast Bull	*Newport, R. I.*	143 York st.
George Robert Carter	*Honolulu, H. I.*	107 Wall st.
William Clarke Catlin	*Providence, R. I.*	39 Lynwood st.
James Henry Coleman	*New York City*	9 Elm st.
George David Colton	*Collinsville*	1169 Chapel st.
John Nesbitt Conyngham	*Wilkesbarre, Pa.*	120 High st.
Charles Edward Curtis	*New Haven*	138 Dwight st
Richard Sydney Curtiss	*Stratford*	59 Prospect st.
Jesse Chase Dann	*Buffalo, N. Y.*	421 Temple st.
Henry Lewis Davis	*Wallingford*	103 Wall st.
George Howard Davison	*New York City*	14 Lincoln st.
William Henry Davol, Jr.	*Brooklyn, N. Y.*	103 Wall st.
Carlton Melville DeWolf	*New York City*	84 Wall st.

Robert Russel Dickey	*Dayton, O.*	237 Orange st.
John Eufemio Dockendorff	*Brooklyn, N. Y.*	552 Chapel st.
John Ambrose Doolittle	*New Haven*	219 Orange st.
John Feeter Easterbrook	*New Haven*	82 York sq.
Frank Harold Farquhar	*York, Pa.*	114 High st.
John Ellis Field	*Denver, Col.*	393 Temple st.
Richard Huntington Franchot	*Schenectady, N. Y.*	62 w.
Pedro Florentino Francke	*New York City*	74 High st.
Deane Funk	*McLean, Ill.*	395 Temple st.
Henry Kellogg Goetchius	*New York City*	86 Wall st.
James Douglas Gold	*West Cornwall*	65 Grove st.
Addison Graves	*New London*	56 w.
Franklin Moses Gray	*Chicago, Ill.*	393 Temple st.
Howard Greer, Jr.	*Chicago, Ill.*	6 Prospect pl.
Matthew Griswold, Jr.	*Erie, Pa.*	150 College st.
Stephen Benedict Grummond, Jr.	*Detroit, Mich.*	395 Temple st.
Fred R. Hamlin	*Chicago, Ill.*	1179 Chapel st.
Charles Merritt Heminway	*Watertown*	237 Orange st.
Edwin Richard Hodge	*Washington, D. C.*	8 Prospect pl.
Noble Foster Hoggson	*New Haven*	126 York st.
George Snowden Howland	*Newport, R. I.*	117 Elm st.
Howard Livingstone Isbell	*Union City*	26 Ridge st., Cedar Hill
Harry Garrybrant Jenner	*Dayton, O.*	125 Dwight st.
Harry Lydstone Johnson	*New Haven*	25 Eld st.
Cyrus Field Judson	*New York City*	61 Grove st.
George Converse Kimball	*Hartford*	219 York st.
Felix Kleeberg	*New Haven*	14 Orange st.
Thomas Albert Legler	*Dayton, O.*	237 Orange st.
Louis LeSassier	*New Orleans, La.*	393 Temple st.
Edwin Hoyt Lockwood	*New Canaan*	59 Prospect st.
Samuel Harkness McCrea, Jr.	*Chicago, Ill.*	55 Trumbull st.
George Grant Mason	*Milburn, Ill.*	136 College st.
William Smith Mason	*Milburn, Ill.*	136 College st.
Charles Griffin Miller	*New Rochelle, N. Y.*	421 Temple st.
Charles Edward Montgomery	*San Francisco, Cal.*	76 Howe st.
Edward Steward Moore	*New London*	56 w.
Augustus Lester Moss	*Sandusky, O.*	62 w.
James Augustus Nelson	*Bridgeport*	146 York st.
Edward Marshall Ney	*Hartford*	154 Grove st.
Charles Norris, Jr.	*New York City*	150 College st.
Elbert Ellsworth Norton	*New Haven*	33 Pearl st.
Selden Yale Osborn	*New Haven*	232 York st.
Frank Wyman Parmerter	*Plattsburgh, N. Y.*	39 Lynwood st.
John Erskine Patrick	*Omaha, Nebr.*	64 High st.
Daniel Tucker Coffin Perkins	*San Francisco, Cal.*	82 Wall st.
Francis Cole Pratt	*Hartford*	223 York st.
John Goodell Prouty	*Spencer, Mass.*	237 Orange st.
Edwin Wright Robinson	*New Haven*	255 Ferry st.
Solomon Franklin Rupert	*New Market, Va.*	109 High st.

Henry Pinney Sage	*New Haven*	42 College st.
Henry Charles Schwab	*Chicago, Ill.*	160 Wooster st.
Charles Kirtland Shelton	*Bridgeport*	103 Wall st.
Shiukichi Shigemi	*Imabari, Japan*	330 Orange st.
Orville Emerson Sloat	*New Haven*	183 Wooster st.
Ernest Ellsworth Smith	*New Haven*	16 Hughes pl.
Percey Franklyn Smith	*New Haven*	4 Home pl.
Ralph Hebert Smith	*Waterbury*	295 York st.
Frederick William Spanutius	*New Haven*	180 Chestnut st.
Stanley Matthews Stagg	*Frankfort, Ky.*	201 Orange st.
Charles Weaver Stewart	*Newport, R. I.*	143 York st.
Howard Canning Taylor	*Green's Farms*	113 York st.
George Parker Thompson	*New York City*	152 Grove st.
Charles Alling Tuttle	*New Haven*	364 Orchard st.
Morgan Walcott	*New York City*	389 Temple st.
Frank Nehemiah Waterman	*New Britain*	35 High st.
Charles Spencer Wells	*Southport*	86 Whitney av.
Ralph McIntosh Wilcox	*Portland*	254 York st.
Hubert Kip Wood	*Cleveland, O.*	136 College st.
Frank Clark Woodruff	*Orange*	41 High st.
Albert Joseph Young	*Evanston, Ill.*	55 Trumbull st.

FRESHMEN, 92

SPECIAL STUDENTS NOT CANDIDATES FOR A DEGREE

Joseph Stanley Brown	*Washington, D. C.*	S. H.
Abner Reeder Chambers, Jr.	*Trenton, N. J.*	59 Grove st.
Frank Cramer	*Appleton, Wisc.*	112 Davenport av.
Harvey Farrington	*Croton, N. Y.*	64 High st.
Ludwig Otterson Kellogg	*San Francisco, Cal.*	36 Elm st.
Francis Timothy Smith	*Simsbury*	7 Pearl st.
Warren A. Spalding	*New Haven*	89 Church st.
Francis Lewis Sperry	*Tallmadge, Ohio*	9 Library st.

SPECIAL STUDENTS, 8

SUMMARY

Graduates,	23
Seniors,	63
Juniors,	65
Freshmen,	92
Special,	8
	251

SCHOOL OF THE FINE ARTS

FACULTY

REV. NOAH PORTER, D.D., LL.D., PRESIDENT
JOHN F. WEIR, N.A., M.A., DIRECTOR
REV. JAMES M. HOPPIN, D.D.
JOHN H. NIEMEYER, M.A.

FREDERIC R. HONEY, PH.B., *Instructor in Perspective*
JOHN P. C. FOSTER, M.D., *Instructor in Anatomy*
HARRISON W. LINDSLEY, C.E., *Instructor in Architecture*

STUDENTS

Maud A. Allan,	*New Haven*
J. Alfred Barkentin,	*New Haven*
Clara M. Barnes,	*New Haven*
Nettie E. Barnum,	*Milford*
Robert Y. Barrows,	*New Haven*
Frank C. Boardman,	*Cromwell*
Annie D. Bradley,	*New Haven*
Robert F. Brainerd,	*Westchester*
Susan J. Candee,	*New Haven*
Mary F. Carew,	*New Haven*
Charles F. Carter,	*Waterbury*
Alice G. Cartwright,	*Stamford*
Ernest F. Coe,	*New Haven*
Louise P. Davenport,	*Stamford*
Elizabeth Davies,	*Topeka, Kan.*
Clara R. Durgy,	*New Haven*
Elizabeth T. Eaton,	*New Haven*
Mary E. Hobson,	*Wallingford*
Josephine M. Lewis,	*New Haven*
Clara B. Lines,	*Meriden*
William Loring, Jr.,	*St. Joseph, Mo.*
Mary A. MacFarland,	*New Haven*
Virginia B. Means,	*New Haven*
Minnie L. Miles,	*Milford*
Daniel A. Moore,	*St. Louis, Mo.*
Elizabeth S. Newberry,	*New Haven*

Etta Osborne,	*Wallingford*
Elizabeth S. Pitman,	*New Haven*
Florence A. Pond,	*Milford*
Martha J. Potter,	*New Haven*
Annie C. Punderford,	*New Haven*
Bela L. Pratt,	*Salem*
Harriet R. Richards,	*New Haven*
Ida Rogowski,	*New Haven*
Annette C. Rood,	*New Haven*
Elsie Rowland,	*Waterbury*
Idyl A. Sheppard,	*New Haven*
Jessie B. Sherman,	*New Haven*
Harriet E. Smith,	*Ansonia*
Effie H. Sperry,	*New Haven*
Maria E. Street,	*Milford*
Clara L. Thayer,	*West Medway, Mass.*
Mary E. Tibbals,	*Ann Arbor, Mich.*
Margaret D. Whitney,	*New Haven*
Nellie P. Wickwire,	*Sheffield, Mass.*
Helen M. Winchell,	*New Haven*
Fannie L. Wiseman,	*New Haven*
Jennie J. Wooding,	*Stratford*

STUDENTS, 48

In addition to the above, 93 Students from the Sheffield Scientific School receive instruction in free-hand drawing in the Art-School.

SUMMARY OF STUDENTS

Department of Theology - - - -		110
Department of Medicine - - - -		28
Department of Law - - - - -		62
Department of Philosophy and the Arts:		
Graduate Instruction - - -	42	
Undergraduate Academical Department	563	
Sheffield Scientific School -	251	
School of the Fine Arts - -	48	
		904
		1104
Deduct for names inserted twice -		28
Total - - - - -		1076

GENERAL STATEMENT

The departments of instruction in YALE COLLEGE are comprehended under four divisions, as follows:—

The Faculty of THEOLOGY;
of MEDICINE;
of LAW;
of PHILOSOPHY AND THE ARTS.

Under the last named Faculty are included, the Courses FOR GRADUATE INSTRUCTION, the UNDERGRADUATE ACADEMICAL DEPARTMENT, the UNDERGRADUATE SECTION OF THE SHEFFIELD SCIENTIFIC SCHOOL, and the SCHOOL OF THE FINE ARTS,—each with a distinct organization.

In the particular statements which follow, the Department of Philosophy and the Arts is first given, with its subdivisions in the order named: and afterwards the three Professional Departments.

The legal designation of the Corporation is "THE PRESIDENT AND FELLOWS OF YALE COLLEGE IN NEW HAVEN."

DEPARTMENT OF PHILOSOPHY AND THE ARTS

GRADUATE INSTRUCTION

Graduates of this and other Colleges, and other persons of liberal education (not less than eighteen years old), are received as students for longer or shorter periods, with or without reference to the attainment of a degree.

An Executive Committee has a general oversight of the students in this Department. The Committee this year is composed of Professors WHITNEY, NEWTON, BRUSH, and WHEELER. They receive the names of applicants for instruction, and judge and approve the courses of study proposed; and information may be obtained from them as to conditions, terms, etc. Students may also make special arrangements with any instructor according to their mutual convenience.

Instruction is given partly by lectures, partly by recitations and by oral and written discussions, partly by directing courses of reading, and partly by work in the laboratories and with instruments.

The terms and vacations correspond with those in the Undergraduate Departments. (See Calendar, p. 4.)

The fee for instruction is generally one hundred dollars, or more or less, according to the course pursued and the amount of instruction received.

THE DEGREE OF DOCTOR OF PHILOSOPHY is conferred upon those who, after having taken a Bachelor's degree (implying a course of undergraduate study equivalent to that pursued in the Academical Department), and having studied in this Department for not less than two years, shall have passed a satisfactory final examination and presented a thesis giving evidence of high attainment in the branches of knowledge pursued. It is not given, upon examination, to those whose studies are pursued elsewhere. The requirements for it will in some cases exact of the student more than two years of labor; especially when the course of undergraduate study has been less than four years. A good knowledge of Latin, German, and French, will be required in all cases, unless, for

some very exceptional reason, the candidate be excused by the Faculty. The graduating fee is ten dollars.

The Courses of instruction may be grouped as follows:

1. Intellectual Philosophy; Ethics:

President PORTER and Professor LADD: Psychology; Philosophy; History of Philosophy; Ethics.

2. Political Science and History:

Professor WHEELER: Origin and Development of the English Constitution.

Professor BREWER: Relations of Physical Geography to Political History.

Professor SUMNER will lecture on finance and the science and art of politics as illustrated in the history of the United States. This course occupies two years. In 1885–86 the first half, history down to 1830, will be given: two hours per week. Another course of text-book lessons, comments, discussions, etc., is given, consisting, in alternate years, of (*a*) sociology (1885–6), and (*b*) special topics in industrial history, history of political economy, finance, and theory of rights (1886–87): one hour per week. The course in sociology (1885–86) will include an elementary study of human palæontology, archæology, and ethnology.

Professor ROBINSON: History of Real Property; Canon Law; Parliamentary Law.

Professor DEXTER: American History.

Professor BALDWIN: Conflict of Laws; Comparative Jurisprudence.

Professor PLATT: General Jurisprudence.

Professor WOOLSEY: International Law.

Mr. A. S. WHEELER: the Institutes of Gaius and Justinian; select titles of the *Corpus Juris;* German text-books of Roman Law.

Mr. A. T. HADLEY: *1st Term*, Railroads and the Social Problems connected with them. *2d Term*, Relations between Political Economy and Legislation, in connection with the work of the State Bureau of Labor Statistics.

3. Philological Science; Literature:

Professor WHITNEY: the general Principles of Linguistic Science; the Comparative Philology of the Indo-European Languages; the Sanskrit Language.

Professor THACHER, Professor PECK, and Professor H. P. WRIGHT: selected Latin authors; History of Roman Literature; Early Latin; Latin Philology; Latin Composition; Roman History and Antiquities.

Professor SEYMOUR: critical reading of Greek authors; History of Greek Literature; Greek Antiquities; Greek Metres.

Professor TARBELL: Aristotle's Politics,—a study, through the medium of the original Greek, of Aristotle's theory of the state and of the various forms of government.

Mr. VANNAME: the elements of the Japanese Language.

Professor LOUNSBURY and Professor BEERS: the Anglo-Saxon Language; the early forms and Literature of English.

Professor KNAPP: Spanish; Italian; Old French and Provençal; the Russian Language.

Professor DAY: the Hebrew and other Semitic Languages.

4. Mathematics:

Professor NEWTON: Calculus; Analytical Mechanics; Lunar and Planetary Theories; Higher Geometry.

Professor CLARK: Definite Integrals; Differential Equations; Analytical Mechanics; the Theory of Numerical Approximations; the Method of Least Squares.

Professor GIBBS: Vector Analysis, with applications to various departments of Physics; the Potential and allied Functions, with reference to the theories of Electricity and Magnetism, including the electro-magnetic theory of Light.

5. Physics; Chemistry; Astronomy:

Professor LOOMIS: Meteorology, with especial reference to the laws of storms.

Professor LYMAN: the use of Meridional and other Astronomical Instruments.

Professor JOHNSON: Theoretical and Analytical Chemistry.

Professor A. W. WRIGHT: Physical Measurements, with Practical Exercises in the Physical Laboratory, in the departments of Heat, Light, and Electricity.

Professor ALLEN: Analytical Chemistry.

Professor DUBOIS: Thermodynamics.

Professor HASTINGS: Lectures on selected topics in Physics, and guidance in laboratory work.

Professor CHITTENDEN: Physiological Chemistry.

Dr. WALDO: the Theory and Practice of Micrometry.

Mr. O. T. SHERMAN: Thermometry.

See, also, *Mathematics*, above.

6. Geology; Natural History:

Professor J. D. DANA: Geology.

Professor BRUSH: the Analysis and Determination of Mineral Species; Descriptive Mineralogy.

Professor EATON: Structural and Systematic Botany, including the North American Flora and the description of genera and species.

Professor MARSH: Palæontology; Comparative Osteology.

Professor VERRILL and Professor S. I. SMITH: Zoology.

Professor E. S. DANA: Optical Mineralogy; Crystallography.

7. Applied Science:

Professor LYMAN: Astronomical Spectroscopy.

Professor JOHNSON: Agricultural Chemistry.

Professor BREWER: Agriculture; Forest Culture.

Professor C. B. RICHARDS: Dynamical Engineering.

Professor DUBOIS: Civil Engineering.

8. Fine Arts:

For the instruction offered in the School of the Fine Arts, see page 79.

THE DEGREE OF MASTER OF ARTS is conferred on Bachelors of Arts of two years' standing or upwards, who have given to the Academical Faculty evidence of having made satisfactory progress in liberal studies after receiving their first degree.

Such evidence may be furnished by one year's systematic study (not professional) in New Haven, under the direction of the Academical Faculty, followed by an examination.

Such Bachelors of Arts of this College as may not choose to reside at the College for the prosecution of study may show at any time, not less than three years after graduation, by their printed essays, or by submitting to special examinations, that they have spent a year in liberal (and non-professional) study, and are worthy of recommendation for this degree.

A committee of the Faculty is appointed (consisting, for the present year, of Professors NEWTON and WHEELER), to whom candidates for this degree must submit their proposed courses of study by the first of November in each year; and the evidence of a year's study must be submitted to the same committee by the first of June.

In the case of resident students, the charge for instruction will usually be one hundred dollars, with a fee of ten dollars for the degree. In the case of non-residents, the fee for examinations and the degree will usually be twenty-five dollars.

THE DEGREES OF CIVIL ENGINEER AND DYNAMIC ENGINEER are conferred on Bachelors of Philosophy who have taken the first degree in Engineering study, and who pursue a higher course for at least two years, sustaining a final examination, and giving evidence of their ability to design important constructions, and to make the requisite drawings and calculations. The fee for graduation is five dollars.

UNIVERSITY PRIZE

THE JOHN A. PORTER PRIZE, of two hundred and fifty dollars, is offered at each Commencement for the best English Essay. Any person who has been studying for a degree in any Department during the whole of the current College year may compete for this prize.

UNDERGRADUATE ACADEMICAL DEPARTMENT

ALL CANDIDATES FOR ADMISSION to the Freshman Class are examined in the following books and subjects:

1. Latin Grammar.
2. Cæsar—Gallic War, books i–iii.
3. Cicero—Orations against Catiline and for Archias.
4. Vergil—Bucolics, and first six books of the Æneid, including Prosody.
5. Ovid—Metamorphoses, translation at sight.
6. The translation, at sight, of passages from prose Latin.
7. The translation into Latin of connected passages of English prose. [As special importance is given to this part of the examination, it is suggested to teachers that they connect exercises in making Latin, both oral and written, with all the Latin studies of the preparatory course.]
8. Roman History—Creighton's Primer of Roman History is suggested, as a basis for instruction.

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9. Greek Grammar.
10. The translation of English into Greek.
11. Xenophon—Anabasis, three books.
12. Homer—Iliad, two books, with Prosody.
13. The translation, at sight, of a passage from some work of Xenophon.
14. Greek History.

The rules for pronunciation given in Hadley's Grammar are recommended as a guide. For Greek History, Dr. Wm. Smith's or Fyffe's text-book, and for Greek Composition, Jones's Exercises or White's Lessons, are suggested.

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15. Higher Arithmetic — including the metric system of weights and measures.
16. Algebra—so much as is included in Loomis's Treatise, up to the chapter on Logarithms.
17. Geometry—Euclid, book i, and the first 33 exercises thereon in Todhunter's edition; or, the first four books in other Geometries, with the above exercises.

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18. French or German—so far as to translate at sight easy prose, the candidate being at liberty to decide for himself in which of the two languages he shall be examined. [For the course in Modern Languages in Freshman year, see p. 55.]

Candidates are allowed to divide the examination, with an interval of not less than a year between the two parts. In such cases, they must present themselves at the *June* examina-

tion of the first year, for examination in not more than ten (in which number the translation at sight of prose Latin and Greek must not be included) of the above subjects, and must be accepted on at least six, in order to receive any certificate of partial admission.

THE REGULAR EXAMINATION FOR ADMISSION to college is held at Graduates' Hall, New Haven, on Thursday, Friday, and Saturday after Commencement (July 1, 2, 3, 1886); *attendance is required at the opening of the examination, at* 9 A. M. *on Thursday.* The examination is wholly in writing; copies of papers recently given will be sent by the Secretary on application.

In 1886 examinations (beginning on Thursday, July 1, at 9 A. M.) for admission to the Freshman Class (but not to higher classes) will also be held in Andover, Mass. (in the rooms of Phillips Academy), and in Chicago, Cincinnati, and San Francisco, at places to be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to the Secretary before June 15. A fee of five dollars is charged for admission to examinations outside of New Haven. The College is also prepared to hold an examination, at the above-named time, in any city or at any school where the number of candidates may be sufficient to warrant it; applications for this purpose must be sent to the Secretary before June 1.

A second examination (for those who cannot attend the first) is held in New Haven at the beginning of the College year, on Tuesday and Wednesday (Sept. 21, 22, 1886); candidates for this examination must be present at Graduates' Hall at 9 A. M. on Tuesday.

Persons applying for admission to any of the classes in College during the course of the College year (that is, from September to June) must first obtain from the Faculty permission to be examined, and pay to the Treasurer a fee of ten dollars.

In general, examinations for admission to the Freshman Class of the *next* year can be held only in June and September as specified; if in any case sufficient reason exists for an exception to this rule, a special fee (not exceeding fifty dollars) will be charged.

ADVANCED STANDING—All candidates for advanced standing, *whether from other Colleges or not*, are examined in addition to the preparatory studies, in those studies already pursued (see below) by the class which they wish to enter. In the several languages, for the particular books studied by the class equivalent amounts from other books may be offered.

Bachelors of Arts or of Philosophy of any institution may join the Senior Class (without examination and without becoming candidates for the Bachelor's degree), as candidates for the degree of Doctor of Philosophy after three years' study. (See p. 48.)

No one can be admitted to the Senior Class after the beginning of the second term.

AGE—No one can be admitted to the Freshman Class till he has completed his fifteenth year, nor to an advanced standing without a corresponding increase of age.

TESTIMONIALS—Satisfactory testimonials of good moral character (preferably from the last principal instructor) are in all cases required, before a certificate of admission is granted; students from other Colleges must present certificates of dismission in good standing.

BOND—Every person must give to the Treasurer, on being admitted, a bond, executed by his parent or guardian, for five hundred dollars, as security for the payment of charges arising under the laws of the College. A blank form for this purpose will be furnished at the time of admission.

THE PROGRAM OF STUDIES for the current year is as follows:

FRESHMAN YEAR:

Greek—Homer's Iliad (2 books); Homer's Odyssey (4 books); Selected Orations of Lysias (50 pp.); Xenophon's *Memorabilia* (70 pp.); the Panegyric of Isocrates; *Medea* of Euripides; Greek Prose Composition. (Students especially proficient in Greek will be assigned to an advanced section.)

Latin—Cicero *De Senectute* and *De Amicitia*; Livy, books xxi and xxii; ten Satires of Horace, with history of Roman literature to the Augustan age; Latin Prose Composition.

Modern Languages—Elementary German, three hours a week throughout the year. Those who have sufficient previous acquaintance with the elements of German are assigned to classes in advanced French, advanced German, etc.

Plane Geometry—Todhunter's Euclid, books iii and iv. Exercises in logical arrangement and original demonstration. Chauvenet's Geometry—Symmetry, Loci, Proportions, Theory of Limits, and Measurement of the Circle.

Solid Geometry—Chauvenet's Geometry—Planes, polyhedrons, cones, and cylinders. Projection of figures. Demonstrations and exercises on models.

Plane Trigonometry—Richards's Trigonometry. Applications to Mensuration and Surveying.

Algebra—Phillips and Beebe's Graphic Algebra. The geometric interpretation of the Theory of Equations, Imaginaries, and the Solution of Higher equations.

SOPHOMORE YEAR:

Greek—*Antigone* of Sophocles; Birds of Aristophanes; selections from Plato's Dialogues (75 pp.).

Latin—Odes and Epodes of Horace (70 pp.); selections from Catullus (40 pp.); seven satires of Juvenal; books xxi and xxii of Livy; *Adelphi* of Terence; *Menæchmi* of Plautus; *Agricola* and *Germania* of Tacitus; constitutional and political history of Rome to the accession of Antoninus Pius; Wilkins's Primer of Roman Antiquities.

Modern Languages—Advanced French, or advanced German, at the option of the student, two hours a week throughout the year.

Spherical Geometry and Trigonometry—Demonstrations with exercises on the globe. Applications to Navigation and Astronomy.

Analytical Geometry—Plane and solid. Applications to Map Projection.

Mechanics—The elementary principles of Kinematics, Kinetics (or Dynamics), and Statics, in reference to solid bodies, with some of their practical applications in Dana's Mechanics.

English Literature—Welsh's History of the Development of the English Language and Literature.

Rhetoric—See paragraph at the end of the list of prescribed studies.

JUNIOR AND SENIOR YEARS:

The *prescribed* courses of Junior year occupy seven hours per week, and of Senior year three hours per week. In addition, each member of the Junior class is required to select eight hours per week, and each member of the Senior class twelve hours per week, from the list of *elective* courses.

PRESCRIBED STUDIES OF JUNIOR YEAR:

Physics—The subjects of Liquids, Gases, Sound, Heat, and Light, in Balfour Stewart's Elementary Lessons, with experimental illustrations in the class-room and occasional lectures. The subjects of Electricity and Magnetism in Silvanus P. Thompson's Elementary Lessons, with experimental lectures.

Astronomy—Loomis's Treatise on Astronomy.

Logic—Jevons's Lessons in Logic; Fowler's Inductive Logic; exercises in the criticism of arguments; lectures.

Geology—Dana's Text-book of Geology.

Psychology—Porter's Human Intellect, Introduction, First and Second Parts; lectures.

PRESCRIBED STUDIES OF SENIOR YEAR:

Psychology—Porter's Human Intellect, Third and Fourth Parts; lectures.

Ethics, Natural Theology, and Evidences of Christianity.

RHETORIC AND ELOCUTION:

Rhetoric—English Composition. Four themes a year are required from each member of the Senior and Junior Classes, and six from each member of the Sophomore Class. The Senior and Junior themes are read and

corrected by the instructors in Rhetoric. Individual appointments are made with the Sophomores for the criticism of themes. (For premiums in this department see p. 69.)

Elocution—Sophomore Year: Lectures on the Science and Art of Elocution—logical analysis,—vocal analysis, expression, and culture,—oratorical action. Practice in speaking and recitation by sub-divisions of twelve each. Individual instruction and private drill in preparation for speaking in divisions of eighteen per week before the class and the Professor of Rhetoric for the "Prizes for Declamation."

Junior Year: Three weeks of preparatory training for the speakers at the Junior Exhibition.

Senior Year: Three weeks of preparatory training for the speakers at Commencement.

ELECTIVE COURSES:

The elective courses are presented in the schedule which follows. Each course is a unit and occupies a line and a number in the schedule. Some courses run through the whole year, others continue only during the first term, and others only during the second term. If a course lasts only through the first term or only through the second term, the title of it occupies but one column in the proper place in the schedule. If it lasts for the whole year, the word "continued" is placed opposite to it in the second column for the year.

No course which has been elected can be abandoned during the period for which it continues. No course can be entered, save at its beginning, unless upon examination and with the consent of the instructor.

ELECTIVE COURSES—JUNIOR YEAR

Group	Course No.	FIRST TERM Subject	Hours per week	SECOND TERM Subject	Hours per week
Mental and Moral Science	1				
	2				
	3				
	4				
Political Science	5				
	6				
	7				
	8				
	9				
History	10	Prof. Dexter, American Colonial History,	2		
	11			Prof. Dexter, Hist. of the United States,	2
	12			Prof. Dexter, Am. Hist.; short course,	1
	13	Prof. Richards, History of New England,	2		
	14				
	15				
	16				
	17			Mr. Reynolds, Greek History,	1
	18			Mr. Abbott, Roman History,	2
Modern Languages	19	Mr. Nichols, German,	3	Continued,	3
	20	Prof. Ripley, German,	2	Continued,	2
	21	Prof. Ripley, German,	1	Continued,	1
	22	Mr. Nichols, German,	3	Continued,	3
	23				
	24	Prof. Bendelari, French,	3	Continued,	3
	25	Prof. Bendelari, French,	3	Continued,	3
	26	Prof. Knapp, Spanish,	3	Continued,	3
	27				
	28	Prof. Bendelari, Italian,	3	Continued,	3
	29	Prof. Bendelari, Italian,	3	Continued,	3
	30	Prof. Beers, Anglo-Saxon and English,	2	Continued,	2
	31				
	32	Mr. Whitney, English Literature,	3		
	33			Mr. Whitney, English Literature,	3
	34			Mr. Whitney, Hist. of English Lang.,	1
	35			Mr. McLaughlin, Modern Latin Poetry	1
Ancient Languages and Lingulstics	36	Prof. Peck, Horace,	2		
	37				
	38	Prof. Peck, Latin Composition,	2	Continued,	2
	39			Prof. Peck, Cicero and Tacitus,	2
	40			Prof. Peck, Terence and Martial,	2
	41			Prof. Peck, Early Latin,	2
	42	Prof. H. P. Wright, Plautus,	2		
	43				
	44			Mr. Waters, Latin Elegiac Poets,	2
	45	Prof. Seymour, Aeschylus,	2		
	46	Prof. Seymour, Thucydides,	2		
	47			Prof. Seymour, Euripides,	2
	48			Prof. Seymour, Plato,	2
	49			Prof. Seymour, Isocrates,	2
	50			Prof. Seymour, Pindar,	2
	51	Prof. Seymour, Greek Testament,	1		
	52	Prof. Tarbell, Lysias and Demosthenes,	2		
	53				
	54				
	55			Prof. Whitney, Linguistics,	1
	56				
Natural and Physical Science	57				
	58				
	59				
	60				
	61				
	62				
	63			Prof. Eaton, Botany,	2
	64				
	65	Prof. J. K. Thacher, Zoology,	4		
	66				
Mathematics	67	Prof. Newton, Diff. and Integral Calculus,	3		
	68	Prof. Newton, Differential Calculus,	3	Continued, Integral Calculus,	3
	69				
	70				
	71				
	72			Prof. Richards, Higher Trigonometry,	1
	73	Prof. Beebe, Geodesy,	2		
	74			Prof. Beebe, Theoretical Astronomy,	2
	75				
	76				
	77	Prof. Phillips, Descriptive Geometry,	2		
	78			Prof. Phillips, Adv. Map Projection,	1
	79			Prof. Phillips, Alg. and Curve Tracing	2

ELECTIVE COURSES—SENIOR YEAR

Course No.	FIRST TERM Subject	Hours per week	SECOND TERM Subject	Hours per week
1	The President, Locke and Berkeley,	2		
2			The President, Special Topics in Philosophy,	2
3	Prof. Ladd, Physiological Psychology,	2	Continued,	2
4	Prof. Ladd, History of Philosophy,	2	Continued,	2
5	Prof. Sumner, Political Economy; Short Course,	3		
6	Prof. Sumner, Political Economy; Long Course,	2	Continued,	2
7			Prof. Sumner, Advanced Political Economy,	2
8			———, Municipal Law,	2
9			———, International Law,	1
10	Course 10 open to Seniors,	2		
11			Course 11 open to Seniors,	2
12			Course 12 open to Seniors,	1
13	Course 13 open to Seniors,	2		
14	Prof. Wheeler, Modern European History,	4		
15	Prof. Wheeler, Early English Constit. History,	2	Continued,	2
16			Prof. Wheeler, Constitutional Hist. of England,	3
17				
18				
19	Prof. Ripley, German,	3		3
20	Course 20 open to Seniors,	2		2
21	Course 21 open to Seniors,	1		1
22	Course 22 open to Seniors,	3		3
23	Prof. Knapp, French,	3		3
24	Course 24 open to Seniors,	3		3
25	Course 25 open to Seniors,	3	Continued.	3
26	Course 26 open to Seniors,	3		3
27	Prof. Knapp, Spanish,	3		3
28	Course 28 open to Seniors,	3		3
29	Course 29 open to Seniors,	3		3
30	Course 30 open to Seniors,	2		2
31	Prof. Beers, English Literature,	3		3
32				
33				
34				
35				
36				
37	Prof. Peck, Pliny's Letters,	3		
38	Course 38 open to Seniors,	2	Continued,	2
39			Course 39 open to Seniors,	2
40			Course 40 open to Seniors,	2
41			Course 41 open to Seniors,	2
42	Course 42 open to Seniors,	2		
43	Prof. T. A. Thacher, Cicero *Pro Cluentio*,	2		
44				
45	Course 45 open to Seniors,	2		
46	Course 46 open to Seniors,	2		
47			Course 47 open to Seniors,	2
48			Course 48 open to Seniors,	2
49			Course 49 open to Seniors,	2
50			Course 50 open to Seniors,	2
51	Course 51 open to Seniors,	1		
52	Course 52 open to Seniors,	2		
53			Prof. Tarbell, Aristotle's Politics,	1
54	Prof. Whitney, Sanskrit,	4	Continued,	4
55			Course 55 open to Seniors,	1
56			Prof. Day, Hebrew,	2
57	Prof. Loomis, Practical Astronomy,	4		
58			Prof. Loomis, Meteorology,	2
59	Prof. J. D. Dana, Geology,	2		
60			Profs. J. D. & E. S. Dana, Geology and Petrography,	2
61	Prof. E. S. Dana, Mineralogy and Crystallography,	2	Continued,	2
62	Prof. A. W. Wright, Physics, Laboratory Work,	2	Continued,	2
63				
64	Prof. Eaton, Pteridology and Bryology,	2		
65				
66			———, Chemistry,	4
67	Course 67 open to Seniors,	3		
68	Course 68 open to Seniors,	3	Continued,	3
69	Prof. Newton, Integral Calculus and Mechanics,	3	Continued,	3
70	Prof. Gibbs, Vector Analysis; Elementary,	2		
71			Prof. Gibbs, Vector Analysis; Advanced,	2
72			Course 72 open to Seniors,	1
73	Course 73 open to Seniors,	2		
74			Course 74 open to Seniors,	2
75	Prof. Beebe, Theoretical Astronomy; Advanced,	1		
76			Prof. Beebe, Theoret. Astronomy; Advanced,	1
77	Course 77 open to Seniors,	2		
78			Course 78 open to Seniors,	1
79			Course 79 open to Seniors,	2

NOTES ON THE ELECTIVE COURSES:

The following notes refer by numbers to the schedule, and contain the most essential information about the courses, except where the title of the course renders explanation unnecessary.

1. Theory of Knowledge; readings in Locke and Berkeley.

2. Special topics in Philosophy.

3. A study (illustrated by charts and models) of the human nervous mechanism, of the principal relations which exist between changes in this mechanism and the activities of the mind, and a discussion of the conclusions which may be drawn from these relations respecting the nature and laws of the mind.

4. A brief survey of the development of philosophical thinking from its beginning among the Greeks down to the modern era, a somewhat extended presentation of the philosophy of Kant, by expository lectures upon his works, and a study of several of the more important writers since the time of Kant.

5 and 6. Lessons in Mill's Political Economy with discussions and lectures, especially on currency, banking, and taxation. The short course is elementary only. The long course is for those who wish to give more time and labor to this subject.

7. Study and discussion of economic problems and fallacies with selected passages from the leading treatises:—open only to those who have taken course 5 or course 6.

8 and 9. Courses 8 and 9 will consist of lectures on the origin, history, and general principles of the Common Law, American Constitutional Law, and International Law, based mainly upon the treatises of Robinson, Cooley, and Woolsey, which will be read in connection with the lectures.

10. American Colonial History to 1765: Lodge's Short History.

11. History of the United States from 1765 to 1865.

12. A short course in American History, covering less thoroughly the entire ground of the last two courses.

13. Colonial History of New England to 1689.

14. History of the French Revolution of 1789; Tocqueville's Old Régime, Mignet's or Taine's History of the French Revolution, Fyffe's History of Modern Europe: Or, History of Europe since 1815; Müller's Political History of Recent Times, Walpole's History of England since 1815.

15. Origin and development of the English Constitution; Taswell-Langmead's or Stubbs's Constitutional History of England, Bright's or Green's History of England, vol. i. This course is of special value to those who intend to study law.

16. History of England during the Tudor and Stuart periods. The conflict between self-government and arbitrary power. Hallam's Constitutional History of England; Bright's or Green's History of England, vol. ii; with numerous books for reference.

17. Outlines of Greek History; in detail, the constitutional history of Athens and the conquests of Alexander.

18. Roman Imperial History; in particular, the History of the Roman Religion, beginning with the Augustan Period; the relations of the Roman Empire to Christianity up to the close of Julian's reign. The rise of Mohammedanism.

19. German Prose of the nineteenth century (Freytag, Heyse, Herm. Grimm, Heine); Modern Plays; Composition.

20. Readings from German Literature of the eighteenth century (Schiller's *Wallenstein*, Gœthe's *Iphigenie*, and selections from Lessing's *Hamburgische Dramaturgie*). The student will further be expected to consult German authorities on matters of history, biography, and criticism.

21. Introduction to Middle High German. Paul's *Mhd. Grammatik*, with readings from Hartmann's *Arme Heinrich* and the *Nibelungen Lied*. Lectures on the history and philology of the language.

22. Elementary: Whitney's Grammar: Composition; easy German Prose and Lyrics; Sight Reading.

23. Advanced composition; History and Philology of the language; Writers of the sixteenth century (Rabelais, Montaigne, Calvin, Marot, Ronsard, Régnier, Malherbe); French the only medium of instruction.

24. Writers of the seventeenth century (Corneille, Racine, Molière, Boileau, Lafontaine); Composition.

25. Writers of the nineteenth century (G. Sand, A. de Musset, E. About, V. Hugo, T. Gautier, A. Daudet, Cherbuliez); Modern Plays; Composition.

26. Elementary Course: Knapp's Grammar and Reader; Galdós' Novels; Modern Plays; Conversation.

27. Advanced Course: Composition; Classical writers (Cervantes, Lope de Vega; Calderon, Quevedo); Spanish ballads; Spanish the only medium of instruction.

28. Elementary Course: Toscani's Grammar; Composition; (De Amicis, Manzoni, Goldoni).

29. Advanced Course: Modern Plays; Composition; Classical writers (Tasso, Macchiavelli, Boccaccio, Dante); Italian the only medium of instruction.

30. A two years' course, Anglo-Saxon and Early English; Sweet's Anglo-Saxon Reader; Mätzner's *Altenglische Sprachproben;* Beowulf; Earle's History of Anglo-Saxon Literature; tenBrink's Early English Literature.

31. Critical readings in Spenser, Shakspere, Bacon, Milton, Dryden, Pope, and selections from the British Dramatists. Lectures and Examinations on the literature of the eighteenth and nineteenth centuries (1700-1860); textbooks: Perry's English Literature in the eighteenth century; Mrs. Oliphant's English Literature in the nineteenth century; Morley's English Literature in the reign of Victoria; Stedman's Victorian Poets.

32. Chaucer, selections from the Canterbury Tales; Spenser, first book of the Faerie Queene.

33. Shakspere's plays; Bacon's Essays; Milton's Poetry and Prose; Dryden.

34. Lounsbury's History of the English Language; study of specimens of the language of different periods; lectures.

35. Selections from the Latin poems of Walter Map, Gower, Milton, Addison, Gray, and Landor.

36. All of the Epistles and some of the Satires; comparative studies of the Augustan poets.

39. The familiar letters of Cicero, and the *Dialogus de Oratoribus* of Tacitus.

41. Professor Allen's Remnants of Early Latin; fragments of the earliest literature. The course will be largely philological, and open only to those who shall have taken at least one Latin elective during the first term.

43. With the reading of the Oration will be connected instruction in the Roman Criminal Process.

45. The Persians and the Seven Against Thebes.

46. The Sicilian Expedition.

47. The Medea, *Bacchae*, Iphigenia among the Taurians.

48. The Gorgias.

49. Selected Orations of Isocrates, for exercise in rapid reading.

50. The Pythian Odes of Pindar, and the Alexandrian poets, Callimachus, Bion and Moschus. (Important for the Winthrop examination.)

52. Select non-political orations of Lysias and Demosthenes. This course aims to promote fluency in the reading of Attic prose, and to give an insight into the institutions and social life of Athens in the fourth century B. C.

53. A study, through the medium of the original Greek, of Aristotle's theory of the State and of the various forms of government.

54. A first year's instruction in Sanskrit, beginning with the instructor's Sanskrit Grammar, and passing on to Professor Lanman's Reader. A sketch of Sanskrit literature will be given in connection with the exercises during the latter part of the year.

55. A series of exercises—mingled lecture, recitation, and discussion—on the leading topics of the general study of language, following and using as text-book the instructor's Life and Growth of Language, will be given if a class of six or more is formed.

57. Loomis's Practical Astronomy. Students have the free use of a portable transit-instrument for observations.

58. Loomis's Meteorology, with daily study of the current weather-maps of the signal service.

59. Dana's Manual of Geology; a continuation and expansion of the required Geology of Junior year.

60. Continuation of course 58 during the first half of the second term. In the second half of the second term this course will be continued by Prof. E. S. Dana as a course in Petrography, including the examination of thin sections of rocks under the microscope. Some preliminary work on the optical properties of minerals will be done by the class.

61. Practical study of the more important mineral species by means of blowpipe analysis and other methods; mathematical study of crystals by the methods of analytical and spherical geometry; also, the optical properties of crystals, including the phenomena exhibited by them in polarized light. Dana's Text Book of Mineralogy, 1882.

62. Chiefly practical work in the physical laboratory, with measurements, especially in heat, light, and electricity, each exercise occupying two hours. Recitations of one hour each, upon the theory and methods of physical measurements, will occasionally take the place of the laboratory work.

Kohlrausch's Physical Measurements; Everett's Units and Physical Constants, etc.

63. An elementary course in Structural and Systematic Botany.

65. Dissection of a small number of typical animals. Lectures on classification of animals. Lectures and recitations on physiology. Huxley and Martin's Elementary Biology; Huxley's Elementary Physiology.

66. Laboratory work in Analytical Chemistry.

69. Definite Integrals, Multiple Integrals, Mean Values and Probability, Differential Equations. Kinematics, Analytical Statics and Dynamics.

70. Elementary course, in which the simpler problems of Geometry, Kinematics, and Mechanics will be treated by vector methods.

71. Advanced course, open only to those who have taken the preceding. The same methods will be applied to Hydrodynamics, the Theory of Strains, and Electricity.

72. Exponential and Logarithmic series; De Moivre's Theorem; Results of De Moivre's Theorem; Errors in practical work; Examples of the application of Trigonometry to Geometrical Problems.

73. Methods of the United States Coast Survey.

74, 75, and 76. Calculation of orbits, ephemerides, and perturbations.

77. The principles of Orthographic Projection, Linear Perspective, and Shadows.

79. Higher Algebra and Curve Tracing without the use of the Calculus.

SPECIAL HONORS

Special Honors are to be conferred at the end of Senior year.

One-year honors may be taken in any one of the following groups of studies; two-year honors in any one of groups 4–7:

(1). Philosophy. (2). Political Science, History, and Law. (3). English. (4). Ancient Languages. (5). Modern Languages (exclusive of English). (6). Mathematics. (7). Natural and Physical Science.

A candidate for a one-year honor must announce his intention to the Dean on or before Dec. 1 of his Senior year; a candidate for a two-year honor to the same by the same date of his Junior year.

A candidate for a one-year honor must pursue with distinction in his Senior* year, and a candidate for a two-year honor

* But in groups (2) and (3), work done in Junior year in History or English will be accepted in place of an equivalent amount of work done in Senior year.

in his Junior and Senior years, courses (whether required or elective) amounting to an average of at least six hours per week in one of the specified groups. For a two-year honor the work must be so distributed that an average of at least four hours per week shall be taken in Junior year.

A candidate for either honor must present a meritorious thesis before May 1st of his Senior year.

[In the department of Modern Languages, elementary German will not be reckoned for honors. In the department of Mathematics, no student will be considered a candidate for honors, unless he has taken the Calculus.]

TERMS AND VACATIONS

THE PUBLIC COMMENCEMENT is held on the last Wednesday in June. The first term begins twelve weeks from the day after Commencement-day and continues thirteen weeks; the second term begins on the first Thursday in January and continues until Commencement-day, with a spring recess—of eight days—including Easter. (See Calendar, p. 4.) The exercises of each term begin with prayers in the Chapel on Thursday morning.

LEAVE OF ABSENCE—No student is allowed to be absent without special leave, except in the vacations.

PUBLIC WORSHIP

PRAYERS are attended in the Battell Chapel every week-day morning, with reading in the Scriptures and singing, and all the students are required to be present.

PUBLIC WORSHIP is held in the Chapel on Sundays, at which all the students are required to attend, except such as have special permission to attend the worship of other denominations, to which their parents belong. Such permission can be obtained only on presenting to the President a written request therefor from the parent or guardian.

GYMNASIUM

THE GYMNASIUM is designed to provide all the students with opportunities for exercise. Those who use the bath-rooms pay a small fee for tickets.

EXPENSES

THE TREASURER'S BILLS are made out three times a year, viz: at the close of the first term, and at the middle and at the close of the second term, at which times they are payable. The bills must be paid within two weeks after the beginning of the succeeding term or half-term, or the student is liable to be prohibited from reciting. Drafts on Boston, New York, and Philadelphia will be received at par.

The annual charge for tuition is $115, and with incidentals, $140.

For the rent and care of a half-room in the College buildings, the average charge is thirty-five dollars per year.

OTHER CHARGES—There are additional charges at graduation, amounting to eighteen dollars. If a student occupies a room alone, the charge for rent and care is ordinarily double that stated above.

ABSENCE ON LEAVE—A student who is absent from College on account of sickness, or for any other cause, and retains his place in his class, pays full tuition during such absence; such payment is required before the student can be admitted to examination.

BOARD is obtained at prices varying from three and a half to seven dollars a week. The average price is under five dollars.

ROOMS—There are in the College buildings (after 1885) about two hundred and fifty rooms occupied by students, at prices varying (according to location) from $25 to $140 per year, not including vacations. Students living out of College are not allowed to room in any building in which a family does not reside, except by special permission of the Faculty.

FURNITURE, BOOKS, ETC.—Students provide for themselves furniture, fuel, lights, and text-books; if books and furniture are sold when the student has no further necessity for them, the expenses incurred by their use will not be great.

NECESSARY EXPENSES—The following may be considered a near estimate of the *necessary* annual expenses, for a student occupying a half-room in College, without including apparel, traveling, and board in vacations:

Treasurer's bill (according to location of room) from	$160 to	$220
Board, 37 weeks,	130 to	260
Fuel, lights, and washing,	20 to	60
Use of text-books and furniture,	30 to	60
Total,	$350	$600

COLLEGE GUARDIAN—As a precaution against extravagance, parents at a distance sometimes deposit funds with one of the Faculty; who, in that case, attends to the pecuniary concerns of the student, settles his bills, corresponds with the parent, and transmits an account of expenditures, for which services he charges a commission.

BENEFICIARY AID

The sum of $11,000 and upwards, derived partly from permanent charitable funds, is annually applied by the Corporation for the relief of students who need pecuniary aid, especially of those preparing for the Christian ministry. No deserving student who will make good use of the opportunities of the College need be deterred from entering it by the cost of tuition. Those needing aid should apply to the President before November 1st in each College year. Assistance will be withdrawn from students who incur serious College censure, or who fail to maintain a reputable scholarship.

THE MORGAN FUND, bequeathed by the late Henry T. Morgan, of New York City, has been set apart by the Corporation, with the provision that the income shall be divided into scholarships (at present thirty-five in number, yielding $115 each), to be assigned by the Faculty for the benefit of indigent and deserving students.

THE HARMER FOUNDATION OF SCHOLARSHIPS comprises six scholarships, each yielding one hundred dollars a year, to be given to deserving students of small means.

THE LUCIUS HOTCHKISS FUND, of ten thousand dollars, comprises four scholarships, the income of which is given to indigent and deserving students.

There are nineteen other Scholarships, most of them yielding sixty dollars a year, which may be given to such students as shall be selected by the founders or the Faculty.

By the liberality of Mr. W. L. Andrews, of New York city, a well furnished library has been established, containing textbooks and works of reference, to be loaned gratuitously to those students who have need to avoid the expense of purchasing such books. Permission to use this library can be obtained from the President.

FELLOWSHIPS AND SCHOLARSHIPS

THE DOUGLAS FELLOWSHIP, with an income of six hundred dollars a year, was founded in 1873, by Mrs. Samuel Miller, of New Haven, and named in memory of her brothers, Rev. Sutherland Douglas (Y. C. 1822) and George H. Douglas (Y. C. 1828). The incumbent, who must be a recent graduate of this Department, pursuing non-professional studies in New Haven, is elected annually, but no person shall hold the Fellowship for more than three years.

THE SOLDIERS' MEMORIAL FELLOWSHIP, with an annual income of six hundred dollars, was founded in 1875 by Mrs. Theodosia D. Wheeler, of New Haven, in honor of the alumni who fell in battle as Union soldiers, in the war of 1861–1865, and in special remembrance of William Wheeler, of the Class of 1855. The incumbent must be, at the time of his election, a graduate of this Department, of not more than three years' standing. He shall pursue non-professional studies, and may hold the Fellowship for a period not exceeding five years.

THE SILLIMAN FELLOWSHIP, with an annual income of six hundred dollars, is awarded to a graduate of this Department who has given evidence of proficiency and promise in some branch of physical science. The incumbent is elected annually, but no person shall hold the Fellowship for more than three years.

THE BERKELEY SCHOLARSHIP, yielding about fifty-five dollars a year, is awarded to the student in each Senior Class who passes the best examination (which must be a creditable one) in the Greek Testament (Pauline Epistles), the first book of Thucydides, the first six books of Homer's Iliad, Cicero's Tusculan Questions, Tacitus (except the Annals), and Horace; provided he remain in New Haven as a graduate, one, two, or three years.

THE CLARK SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded in each Senior Class to the applicant who has passed the best annual examination in the studies of the course; provided he remain in New Haven one year or two years immediately after graduation, pursuing a course of study (not professional) under the direction of the Faculty.

THE LARNED SCHOLARSHIP, yielding three hundred dollars a year, and tenable for three years, is awarded in each Senior

Class. The incumbent must reside in New Haven, pursuing a course of advanced study under the direction of the Faculty.

THE BRISTED SCHOLARSHIP, yielding about one hundred and twenty dollars a year, is awarded, whenever there is a vacancy, to the student in the Sophomore or Junior Class who passes the best examination in the classics and mathematics. The successful candidate receives the annuity (forfeiting one-third in case of non-residence) until the end of the third year after graduation.

THE FOOTE SCHOLARSHIPS, yielding five hundred dollars a year, are awarded to graduates of this Department, selected by the Corporation, who remain in New Haven for one or more years pursuing studies in the graduate Department of Philosophy and the Arts.

THE WOOLSEY SCHOLARSHIP, being the income of a fund of one thousand dollars, is awarded to the student in each Freshman Class, who passes the best examination in Latin Composition (excellence in which is essential to success), in the Greek of the year, and in the solution of algebraic problems. The successful candidate receives the annuity, under certain conditions, during the four years of his College course. The student who stands second at this examination receives for one year the income of the HURLBUT SCHOLARSHIP FUND, of one thousand dollars; and the student who stands third, the income for one year of the THIRD FRESHMAN SCHOLARSHIP FUND, of the same amount.

THE W. W. DEFOREST SCHOLARSHIP, being the income of a fund of two thousand dollars, is awarded to a student in each Senior Class who has attained distinction in the study of French while in College, provided he pursue for the year after graduation a further course of study in the Romance languages under the direction of the Faculty.

PREMIUMS

THE DEFOREST PRIZE MEDAL, of the value of $100, is awarded "to that scholar of the Senior Class who shall write and pronounce an English Oration in the best manner."

TOWNSEND PREMIUMS, five in number, of twelve dollars each, are awarded in the Senior Class for the best specimens of English Composition.

SENIOR MATHEMATICAL PRIZES (the first consisting of a gold

medal of the value of ten dollars and of ten dollars in money, the second of ten dollars in money) are offered to the Senior Class for the best solutions of problems in both abstract and concrete mathematics.

COLLEGE PREMIUMS are offered to the Senior Class for the solution of problems in Practical Astronomy.

WINTHROP PRIZES (one of two hundred dollars and one of about one hundred dollars) are offered to the Junior Class "for the most thorough acquaintance with the Greek and Latin poets," as shown at an examination during the latter half of the second term.

A COLLEGE PRIZE of thirty dollars is awarded to the successful competitor at the Junior Exhibition. The competition is limited to eight speakers chosen from the higher grades of the Junior appointment list.

COLLEGE PREMIUMS are given to the Sophomore Class for English Composition, and for declamation, and in the Sophomore and Freshman Classes for the solution of mathematical problems.

THE SCOTT PRIZE for excellence in German is offered to the Senior Class, and the SCOTT PRIZE for excellence in French to the Junior Class; these are of the value of thirty dollars each, and are given in books.

BERKELEY PREMIUMS for Latin Composition are offered to the Freshman Class near the end of the year.

DEGREES

The degree of BACHELOR OF ARTS is conferred by the Corporation on those persons who have completed the course of academical exercises, as appointed by law, and have been approved on examination at the end of the course as candidates for the same. Candidates are required to pay their dues to the Treasurer as early as the Saturday before Commencement. For the degrees of Master of Arts and Doctor of Philosophy, see pages 51 and 48.

SHEFFIELD SCIENTIFIC SCHOOL

THE SHEFFIELD SCIENTIFIC SCHOOL is devoted to instruction and researches in the mathematical, physical, and natural sciences, with reference to the promotion and diffusion of science, and also to the preparation of young men for such pursuits as require special proficiency in these departments of learning.

The school, begun in 1847, and reorganized upon a more extensive scale in 1860, received in 1863, by the act of the Connecticut Legislature, the national grant for the promotion of scientific education under the Congressional enactment of July, 1862.

OFFICERS AND INSTRUCTORS—Upon the Governing Board, consisting of the professors permanently attached to the School, devolves its internal management and the greater part of the instruction. In addition to these and the instructors employed during the current year (mentioned on p. 39), instruction is given in Elementary and Free-hand Drawing by Professor Niemeyer, of the School of the Fine Arts.

The Board of State Visitors consists of the Governor, the Lieutenant Governor, three Senior Senators, and the Secretary of the Board of Education.

The instruction is intended for two classes of students:—

I.—Graduates of this or other Colleges, and other persons qualified for advanced or special study.

II.—Undergraduates who desire a training, chiefly mathematical and scientific, in part linguistic and literary, for higher scientific studies, or for other occupations to which such training is suited.

INSTRUCTION FOR GRADUATE AND SPECIAL STUDENTS

Persons who have gone through undergraduate courses of study, here or elsewhere, may avail themselves of the facilities of the School for more special professional training in the physical sciences and their applications, gaining in one, two, or three years the degree of BACHELOR OF PHILOSOPHY, or, in two additional years of Engineering study, that of CIVIL ENGINEER or that of DYNAMIC ENGINEER.

Or, engaging in studies of a less exclusively technical character, they may become candidates for the degree of DOCTOR OF PHILOSOPHY, under the conditions already stated (see p. 48). The instruction in such cases will be adapted to the particular needs and capacities of each student, and may be combined with that given by instructors in other departments. The list of graduate studies pursued, either wholly in the Scientific School, or conjointly with other departments, will be found on pp. 49, 50.

SPECIAL STUDENTS—For the benefit of those who, being fully qualified, desire to pursue particular studies without reference to obtaining a degree, special or irregular students are received in most of the departments of the School; not, however, in the Select Course, nor in the Freshman Class. It should be distinctly understood that these opportunities are not offered to persons who are incompetent to go on with regular courses, but are designed to aid those who have received a sufficient preliminary education elsewhere to increase their proficiency in special branches.

INSTRUCTION FOR UNDERGRADUATE STUDENTS

TERMS OF ADMISSION—Candidates must be not less than fifteen years of age, and must bring satisfactory testimonials of moral character from their former instructors or other responsible persons.

For admission to the Freshman Class the student must pass a thorough examination in the following subjects:

English—including grammar, spelling, and composition. In grammar, Whitney's Essentials of English Grammar, or an equivalent.

History of the United States.

Geography.

Latin—(1) Simple exercises in translating English into Latin. (Smith's "*Principia Latina*," Part i, is named as indicating the nature and extent of this requirement, and an acquaintance with it will be required unless a satisfactory substitute is offered.) (2) Cæsar—six books of the Gallic War, or their equivalent. (As advantageous substitutes for the last three books of Cæsar may be suggested three books of Vergil's Æneid, or a similar amount of Ovid.)

Arithmetic—Fundamental Operations, Least Common Multiple, Greatest Common Divisor, Common and Decimal Fractions, Denominate Numbers, including the Metric System of Weights and Measures; Percentages, including Interest, Discount, and Commission; Proportion, Extraction of the Square and Cube Roots.

Algebra—Fundamental Operations, Fractions, Equations of the First Degree, with one or several unknown quantities; Inequalities, Ratio and Proportion, Involution, including the Binomial Formula for an entire and positive Exponent; Evolution, the Reduction of Radicals, Equations of the Second Degree, Progressions, Permutations and Combinations, the Method of Indeterminate Coefficients, Fundamental Properties of Logarithms, Compound Interest.

Geometry—Plane, Solid, and Spherical; including fundamental notions of Symmetry, and examples of Loci and Maxima and Minima of Plane Figures.

Trigonometry—including the Analytical Theory of the Trigonometrical Functions, and the usual formulæ; the Construction and Use of Trigonometrical Tables; and the Solution of Plane Triangles; so much, for example, as is contained in Newcomb's Trigonometry to Art. 79, or in Wheeler's or Richards's or Wentworth's Plane Trigonometry, or in the Plane Trigonometry of Oliver, Wait and Jones. The Logarithmic and Trigonometric Tables furnished at the examination will be Newcomb's (Henry Holt & Co., New York, 1882).

While no entrance examination is held in the *History of England*, candidates for admission are urgently advised to make themselves as familiar as possible with that subject; as a knowledge of it is essential to the most successful prosecution of some of the studies of the course.

Candidates will be allowed the option of passing on the above-named subjects in two successive years. In such cases they must present themselves for examination at the June examination of the first year in the following subjects or parts of subjects: *History of United States*, *Geography*, *Arithmetic*, *Plane Geometry*, *and Algebra to Quadratic Equations.*

In order to have this preliminary examination counted, candidates must pass satisfactorily on *all* the subjects; and notice of the intention to divide the examination must be given to Professor G. J. Brush, Director of the School, on or before June 15.

For preparation in Algebra, Geometry, and Trigonometry, the recently published text books of Professor Newcomb (Henry Holt & Co., New York) may, without indicating undue preference, be especially recommended. And to the candidate who prepares in other works, they may serve to indicate the extent and kind of attainments expected in the prescribed topics. Candidates who prepare in the Geometry of this author, may for the present omit the short chapters on the Ellipse, Hyperbola, and Parabola; though they will find it advantageous to study them.

In his preparation in GEOMETRY the candidate should, as far as practicable, have suitable exercises in proving simple theorems and solving simple problems for himself. It is important, too, that he should be accustomed to the numerical application of geometric principles, and especially to the prompt

recollection and use of the elementary formulæ of mensuration. In TRIGONOMETRY he should be exercised in applying the usual formulæ to a variety of simple reductions and transformations, including the solution of trigonometrical equations. Readiness and accuracy in trigonometrical calculations are also of prime importance to the candidate. If the use of logarithms is postponed in his preparation till Trigonometry is taken up (which is by no means necessary or advisable), he should then have abundant applications of them to all forms of calculation occurring in ordinary practice, as well as to those appearing in the solution of triangles. Finally, in all his calculations, he should study the art of neat and orderly arrangement.

In LATIN the student should have such continued training in parsing as shall make him thoroughly familiar with declensions and conjugations, and with the leading principles of syntax. To secure these results more effectually, the requirement has been adopted of simple exercises in translating English into Latin. As this course of exercises is designed solely as a preparation for reading, it should be begun at the earliest stage of Latin study. A very large proportion of the deficiencies in the Latin examination for several years past has been due to the neglect of the suggestions of this paragraph, and to the attempt to read a Latin author with totally inadequate grammatical preparation.

The examinations for admission in 1886 take place at North Sheffield Hall, on Thursday, Friday, and Saturday, July 1, 2, 3 (beginning at 9 A. M. on Thursday); and on Tuesday and Wednesday, September 21, 22 (beginning at 9 A. M. on Tuesday). Opportunities for private examinations may, in exceptional cases, be given at other times.

In 1886 examinations (for the Freshman Class only) will also be held in Andover, Mass., in Chicago, in Cincinnati, and in San Francisco (beginning on Thursday, July 1, at 9 A. M.), at places to be announced in local newspapers of the day previous. Candidates who propose to be present are requested to send their names to Professor G. J. Brush, Director of the School, before June 15. A fee of five dollars will be charged for admission to the examinations outside of New Haven.

Candidates for advanced standing in the undergraduate classes are examined, in addition to their preparatory studies, in those already pursued by the class which they wish to enter. No one can be admitted as a candidate for a degree, later than at the beginning of the Senior year.

COURSES OF INSTRUCTION, occupying three years, are arranged to suit the requirements of various classes of students. The first year's work is the same for all; for the last two years the instruction is chiefly arranged in special Courses.

The special Courses most distinctly marked out are the following:

(*a.*) In Chemistry; (*b.*) In Civil Engineering;
(*c.*) In Dynamical (or Mechanical) Engineering;
(*d.*) In Agriculture; (*e.*) In Natural History;
(*f.*) In Biology preparatory to Medical Studies;
(*g.*) In studies preparatory to Mining and Metallurgy;
(*h.*) In select studies preparatory to other higher studies.

The arrangement of the studies is indicated in the annexed scheme.

FRESHMAN YEAR—INTRODUCTORY TO ALL THE COURSES:

FIRST TERM—*German*—Whitney's Grammar and Reader. *English*—Lounsbury's History of the English Language; Exercises in composition. *Mathematics*—Spherical Trigonometry (Newcomb's); Plane Analytical Geometry. *Physics*—Recitations, with experimental lectures. *Chemistry*—Recitations and Laboratory practice. *Elementary Drawing*—Practical Lessons, in the Art School.

SECOND TERM.—*Language, Physics, and Chemistry*—as stated above. *Mathematics*—Plane Analytical Geometry, continued. *Physical Geography*—Lectures. *Botany*—Gray's Lessons, with Lectures. *Drawing*—Isometric Drawing, with application to drawing from models and structures by measurement. Shading and tinting. Principles of orthographic projection. Reading of working-drawings and isometric construction of objects from their orthographic projections. Sections.

For the Junior and Senior years the students select for themselves one of the following Courses:

(a.) IN CHEMISTRY:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis, and experimental work in Organic Chemistry. *Mineralogy*—Blowpipe Analysis and determination of species. Lectures. *French. German.*

SENIOR YEAR:

FIRST TERM—*Organic Chemistry*—Lectures and Recitations. *Agricultural Chemistry*—Recitations (optional). *Laboratory Practice*—Volumetric and Mineral Analysis. *Geology*—Dana's. *Zoology*—Lectures. *French.*

SECOND TERM—*Organic Chemistry*—continued. *Laboratory Practice*—Analysis of Minerals and Technical Products. *Assaying* (optional). *Geology*—Dana's. *Mineralogy* (optional). *French.*

(b.) IN CIVIL ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Operations. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Drawing*—Descriptive Geometry, concluded; Topographical. *Surveying*—Topographical. *German. French.*

SENIOR YEAR:

FIRST TERM—*Field Engineering*—Laying out Curves. Location of line of Railroad, with calculations of Excavation and Embankment. Hencks's Field Book for Railroad Engineers. Searles's Field Engineering. *Civil Engineering*—Resistance of Materials. Bridges and Roofs, begun. Stone Cutting, with Graphical Problems. *Geology*—Dana's. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *French.*

SECOND TERM—*Civil Engineering*—Bridges and Roofs. Building Materials. Stability of Arches and Walls. Mahan's Civil Engineering. *Dynamics*—Principles of Mechanism. Steam Engine. *Hydraulics*—Hydraulics and Hydraulic Motors. *Drawing*—Graphical Statics. *Astronomy*—Loomis's Astronomy, with practical problems. *Mineralogy*—continued. *Geology*—Dynamic. *French.*

(c.) IN DYNAMIC ENGINEERING:

JUNIOR YEAR:

FIRST TERM—*Mathematics*—Analytical Geometry of Three Dimensions; Elements of the Theory of Functions; Differential Calculus. *Surveying*—Field Practice. *Principles of Mechanism*—Kinematics. *Shop Visiting*—Sketching Machine Details and Tools. *Drawing*—Descriptive Geometry, begun. *German. French.*

SECOND TERM—*Mathematics*—Integral Calculus; Rational Mechanics. *Principles of Mechanism*—Applied Kinematics; Transmission of Power by Belts and Gearing; Forms of Teeth of Wheels; Cams; Parallel Motions, etc. *Shop Visiting*—continued. Sketching Machinery and Study of Mechanical Processes. *Study of the Steam Engine*—begun. *Drawing*—Descriptive Geometry, concluded; Perspective and Shadows; Machine Details.

SENIOR YEAR:

FIRST TERM—*Applied Mechanics*—Friction; Moment of Inertia; Centrifugal Force; Elasticity and Strength of Materials; Strains in Structures; Theory of Flexure and Torsion; Construction of Roofs and Bridges; Equilibrium and Pressure of Fluids; Theory of Flotation; Flow of Fluids in pipes and channels; Resistance of Ships. *Machine Designing*—Practical Exercises in Designing Machine Details and Simple Machines. *Study of the Steam Engine*—continued. *Shop Visiting*—Inspection of Machines and Study of Processes; Reports of Visits.

SECOND TERM—*Hydrodynamics*—Theory of Water-Wheels, Turbines, and Water Pressure Engines. *Thermodynamics*—General principles of Heat em-

ployed as a source of power; Theory of the Steam Engine; Hot Air Engines; Gas Engines. *Machine Designing*—continued. Practical Exercises in designing Machinery for Shaping Metals, Hoisting, Pumping, etc. Designs and Working Drawings of Steam Engines and Boilers; Estimates of Weight and Cost of Machinery. *Shop Visits and Reports.*

(d.) IN AGRICULTURE:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's. *Laboratory Practice. Blowpipe Analysis. German. French.*

SECOND TERM—*Theoretical Chemistry*—continued. *Laboratory Practice*—Quantitative Analysis. *Mineralogy*—Blowpipe Analysis and Determination of Species. *Physiology*—Huxley's. *Botany. French. German.*

SENIOR YEAR:

FIRST TERM—*Agriculture*—Cultivation of the Staple Crops of the Northern States. Tree Planting and Forestry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—Lectures and Recitations. *Geology*—Dana's. *Botany. Zoology. English. French.*

SECOND TERM—*Agriculture*—Laws of Heredity and Principles of Breeding; Lectures. *Geology*—Dana's. *Rural Economy*—Systems of Husbandry. *Agricultural Chemistry*—Johnson's. *Organic Chemistry*—continued. *Geology*—Dana's. *Zoology. Botany. Microscopy. English. French.*

(e.) IN NATURAL HISTORY:

(Either Geology, Mineralogy, Zoology, or Botany, may be made the principal study, some attention in each case being directed to the other three branches of Natural History.)

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Botany*—Gray's Manual; Laboratory Practice. *German. French.*

SECOND TERM—*Zoology*—Laboratory Practice; Recitations; Excursions (land and marine). *Botany*—Laboratory Practice; Excursions. *Physiology*—Huxley's. *Mineralogy*—continued. *Physical Geography. German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Dana's; Excursions. *Zoology*—Laboratory Practice; Lectures; Recitations; Excursions. *Botany*—Herbarium Studies; Gray's Text-book; Excursions. *French.*

SECOND TERM—*Geology*—Dana's. *Anatomy of Vertebrates*—Huxley's. *Zoology*—Laboratory Practice; Recitations; Lectures. *Botany*—Herbarium Studies, especially in the Cryptogamous Orders; Botanical Literature; Essays in Descriptive Botany. *Meteorology. French.*

Besides the regular courses of recitations and lectures on structural and systematic Zoology and Botany, and on special subjects, students are taught to prepare, arrange, and identify collections, to make dissections, to pursue original investigations, and to describe genera and species in the language of science. For these purposes, large collections in Zoology and Palæontology belonging to the College are available, as are also the private botanical collections of Professor Eaton.

(f.) IN BIOLOGY PREPARATORY TO MEDICAL STUDIES:

JUNIOR YEAR:

FIRST TERM—*Theoretical Chemistry*—Lectures and Recitations. *Qualitative Analysis*—Fresenius's; Laboratory Practice; Recitations. *Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *German. French.*

SECOND TERM—*Anatomy and Histology*—Laboratory Practice, Lectures and Recitations. *Physiology*—Huxley's; Practical Exercises. *Embryology*—Lectures. *Theoretical Chemistry* — continued. *Mineralogy* — continued. *Botany*—Lectures; Practical exercises in Phenogamous Plants; Excursions. *German. French.*

SENIOR YEAR:

FIRST TERM—*Physiological Chemistry*—Recitations, Laboratory Practice, and Lectures. *Organic Chemistry*—Lectures and Recitations. *Zoology*—Lectures. *Botany*—Practical exercises, Lectures, and Excursions. *Geology*—Dana's. *French.*

SECOND TERM—*Physiological Chemistry*—continued. *Experimental Toxicology. Geology*—Dana's. *Zoology*—Lectures. *Sanitary Science*—Lectures. *Laws of Heredity and Principles of Breeding*—Lectures. *French.*

(g.) IN STUDIES PREPARATORY TO MINING AND METALLURGY:

Young men desiring to become Mining Engineers can pursue the regular Course in Civil or Mechanical Engineering, and at its close can spend a fourth year in the study of metallurgical chemistry, mineralogy, etc.

(h.) IN THE SELECT STUDIES PREPARATORY TO OTHER HIGHER STUDIES:

JUNIOR YEAR:

FIRST TERM—*Mineralogy*—Blowpipe Analysis and Determinative Mineralogy. *Physical Geography*—Guyot; Lectures. *English*—Early English. *History*—Green's Short History of the English People. *French. German.*

SECOND TERM—*Mineralogy*—Lectures. *Astronomy. Botany*—Lectures; Excursions; Laboratory Practice. *English*—Chaucer, Bacon, Shakspere. *History*—Green's History, continued. *German. French.*

SENIOR YEAR:

FIRST TERM—*Geology*—Recitations and Excursions. *Zoology*—Lectures and Excursions. *Linguistics*—Whitney's Life and Growth of Language. *English*—Shakspere. *Constitutional Law of the United States. French.*

SECOND TERM—*Geology*—continued. *Meteorology*—Lectures.—*Sanitary Science*—Lectures. *Political Economy*—Recitations and Lectures. *English*—Shakspere, Milton, Dryden, Pope, Gray, and later authors. *French.*

Exercises in English Composition are required during the entire course from all the students. The preparation of graduating theses is among the duties of the Senior Year.

Lectures on Military Science and Tactics are annually given by General Abbot, and other officers of the Engineer Corps of the United States Army.

THE TERMS AND VACATIONS correspond with those of the Academical Department. (See Calendar, p. 4.)

EXPENSES—The charge for tuition for undergraduate students is $150 per year, payable $55 at the beginning of the first and second terms, and $40 at the middle of the second term. The student in the Chemical course has an additional charge of $70 per annum for chemicals and use of apparatus. He also supplies himself at his own expense with gas, flasks, crucibles, etc., the cost of which should not exceed $10 per term. A fee of $5 is charged members of the Freshman Class for chemicals and materials used in their laboratory practice, and the same fee is required from all (except Chemical students) who take practical exercises in Blowpipe Analysis and Determinative Mineralogy. A fee of $5 a term is also charged to students in the Zoological and Anatomical Laboratories, for materials and use of instruments. An additional charge of $5 is annually made to each student for the use of the College Reading Room and Gymnasium.

For the graduate students the charge for tuition is one hundred dollars per year.

THE FEES for graduation of BACHELOR OF PHILOSOPHY are $10; unless the person taking the degree is also a graduate of the Academical Department, when the fee is but $5.

DEGREES

THE DEGREE OF BACHELOR OF PHILOSOPHY is conferred on those who have completed one of the three-year courses, and have passed the examination at its close.

CIVIL AND DYNAMIC ENGINEER—See page 51.

DOCTOR OF PHILOSOPHY—See page 48.

SCHOOL OF THE FINE ARTS

THE COUNCIL of this Department consists of the following *ex-officio* members:—the President of the College, the President of the National Academy of Design, the President of the New York Museum of Art, and the Director of the School, who is also the Secretary; together with four members by election, Mr. DONALD G. MITCHELL, Mr. EDWARD E. SALISBURY, Mr. JOHN DAVENPORT WHEELER, and Mr. WILLIAM W. FARNAM.

THE FACULTY, on whom devolves the internal management of the School, consists of the President of the College, and the Professors whose names and departments of instruction are as follows:—JOHN F. WEIR, Professor of Painting, and Director of the School; JAMES M. HOPPIN, Professor of the History of Art; JOHN H. NIEMEYER, Professor of Drawing. Other instructors are, FREDERIC R. HONEY, in Geometry and Perspective; JOHN P. C. FOSTER, M.D., in Anatomy; HARRISON W. LINDSLEY, in Architecture.

The School has for its end the cultivation and promotion of the Arts of Design, viz: PAINTING, SCULPTURE, and ARCHITECTURE, through practice and criticism. The aim is—

1st. To provide thorough technical instruction in the Arts of Painting, Sculpture, and Architecture.

2d. To furnish an acquaintance with all branches of learning relating to the History, Theory, and Practice of Art.

The courses of instruction provided under these heads—of Practice and Criticism—may be regarded as distinct, or correlative, embracing that technical and theoretical knowledge of art which is no less desirable for the critic than for the artist.

THE COURSE OF INSTRUCTION, covering three years, is arranged as follows:

I. DEPARTMENT OF DRAWING AND PAINTING:

First Year:

DRAWING—from the flat, from the antique, from the living model.
PERSPECTIVE—projection drawing; linear perspective.
ANATOMY—the skeleton; articulations; muscular system.
LECTURES—the elements of form; principles and means of art.

Second Year:

DRAWING—technical practice; studies from the living model.
PERSPECTIVE—shadows and reflections; applications and examples.
ANATOMY—the anatomy of external forms; proportions; equipoise and motion.
PAINTING—technical discipline; studies from casts and still-life.
LECTURES—on color, chiaroscuro, and composition.

Third Year:

PAINTING—technical practice; studies from the living model.
COMPOSITION—studies in color and chiaroscuro; design.
LECTURES—on the history, theory, and practice of art.

In the departments of Drawing and Painting, the practice of the studio is based upon the study of the human form.

The practice in drawing is supplemented by lectures on Form and Proportion, and that in painting by lectures on Color, Chiaroscuro, and Composition.

Drawing is continued, without interruption, through the first half of the course, or until the student evinces that proficiency which will warrant advancement. Painting is continued through the remainder of the course. Students will be encouraged to remain in the School and pursue advanced studies after the three years' course is completed.

In PERSPECTIVE, instruction is given in the form of lectures; students will be required to work out the examples, or problems, and submit them for examination at the next meeting of the class. The subject has two divisions: the first is devoted to projection drawing and linear perspective; the second to shadows and reflections, with applications and problems. At the close of the course an examination is held, and the standing of the student is determined.

In ANATOMY, instruction is likewise given in the form of lectures. This subject has also two divisions: the first is devoted to the bones and articulations of the skeleton, and the muscular system; the second to the anatomy of external forms, proportions, equipoise, and motion. Students are required to draw, in detail, the parts under discussion by the lecturer, and submit the same, for examination, at the next meeting of the class. At the close of the course the relative standing of the pupils is determined by examination.

II. DEPARTMENT OF SCULPTURE:

First Division:

MODELING—from casts of heads, and fragments of antique statues.
ANATOMY—skeletons; articulations; muscular system.
LECTURES—on form; principles of proportion.

Second Division:

MODELING—from the living model.
ANATOMY—external forms; equipoise and motion.
LECTURES—history of Greek Sculpture and Christian Art.

III. DEPARTMENT OF ARCHITECTURE:

First Division:

DRAWING—from the flat, from casts of Architectural ornaments, India-ink and water-color drawing.

MATHEMATICS*—plane descriptive geometry; isometric projection; linear perspective.

ARCHITECTURE—the five orders; studies of classical details; projects—doors, windows, porticos, etc.

Second Division:

DRAWING—casts of architectural ornament; water colors.

MATHEMATICS—descriptive geometry, including warped surfaces and stone-cutting; resistance of materials.

ARCHITECTURE—history of architecture; the various styles; studies of details in various styles; projects—dwelling-houses, stores, public buildings, etc.

PROJECTS will be given out once a month (or twice in two months), and the finished drawings will be placed on exhibition for comparison at the end of the year. Examinations will be held, and, at the close of the course, a program will be given for a final project and thesis.

* Students having the requisite knowledge of mathematical subjects may omit them, but will be required to pass examinations in the subjects specified above.

COURSES OF LECTURES are provided in each department of instruction, in addition to the technical discipline. These lectures, on the History and Philosophy of Art, and kindred subjects, are illustrated with photographs, thrown upon a screen by the calcium light. The attendance of the students on all the lectures, with the exception of public lectures, is obligatory.

AN EXHIBITION of the work of students is opened June 1st, and continues through the summer vacation.

PRIZES may be competed for, both in Drawing and Painting, at the close of the course; the necessary qualification includes, in drawing, an approved knowledge of perspective; and in painting, a requisite acquaintance with anatomy—as provided for by the instruction given in these branches.

DIPLOMAS are only awarded those who remain through the full course, or pass the requisite examinations.

THE CHARGE FOR TUITION is thirty-six dollars for three months, *in advance;* and no student will be admitted for a shorter period. Undergraduate students, in any Department of the College, are charged one-half the usual rate of tuition. Art students are admitted *free* to all the lectures delivered in the School, whether public lectures or those in regular course; to the collections at all times; and are entitled to such privileges, under the usual restrictions, as are granted to students in other Departments of the College.

The School is open to both sexes, but no student will be admitted under fifteen years of age.

The ART LIBRARY is open at specified hours for the use of students.

The COLLECTIONS embrace the "Jarves Gallery of Italian Art," numbering one hundred and twenty paintings, dating from the 11th to the 17th centuries: the "Trumbull Gallery" of original portraits and other works, by John Trumbull, numbering fifty-four pictures; a collection of portraits and works of contemporaneous art, numbering about one hundred pictures; together with about one hundred and fifty casts and marbles, the former from many of the best productions of ancient art. The collections are open daily for the use of students, and to the public, during the winter, from 1 to 5 P. M.; and during the summer, from 9 A. M. to 6 P. M. The proceeds of the exhibitions are applied to the incidental expenses of the School.

"Students' Season Tickets," at fifty cents each, admitting the holders to the Exhibitions throughout the year, are furnished to students of all other Departments of the College.

This Department is open to all who desire to avail themselves of its instructions, without restriction, save as to age and general good character. It aims to embrace a wide field of usefulness in connection with the knowledge and promotion of art, and to offer every facility to the student, both in the way of criticism and technical discipline.

The term begins October 1st and ends on the 31st of May.

All applications for admission to the School should be made through the Director. It is particularly desirable that these applications be made before October 1st.

DEPARTMENT OF THEOLOGY

THE FACULTY consists of the President of the College, a Professor of the Hebrew Language and Literature and Biblical Theology (Old Testament), a Professor of Systematic Theology, a Professor of Homiletics and the Pastoral Charge, a Professor of Ecclesiastical History, a Professor of Sacred Literature, and a Professor of Biblical Theology (New Testament).

THE CONDITIONS OF ADMISSION are membership in some evangelical church, or other satisfactory evidence of Christian character, and a liberal education at some College, or, in exceptional cases, an equivalent preparation for theological studies. Students of every Christian denomination, in case they are possessed of these qualifications, are admitted.

It is expected that every student will be promptly on the ground at the beginning of the session. Rooms are assigned in the order of application, but no room will be reserved for any applicant who neglects to appear, beyond one week after the opening of the term.

THE REGULAR COURSE OF INSTRUCTION occupies three years, and is arranged in the following order:

JUNIOR YEAR:

Professor DAY will lecture on the Encyclopedia and Literature of Theology, and give instruction in Hebrew Grammar and Philology. Portions of the historical books of the Old Testament in the original will be carefully read and analyzed, and critical and exegetical dissertations will be presented by the class on points of special difficulty or importance.

Professor DWIGHT will give instruction in the exegetical study of the Greek New Testament. The course includes, in addition to the regular exegetical exercises, the critical investigation of the Greek text and the study of the subjects connected with the Introduction to the New Testament. Dissertations of a critical and exegetical character will, also, be prepared by the students and discussed in the presence of the class.

Professor HARRIS will lecture on the Philosophical Basis of Theism; also on Natural Theology, the Evidences of Christianity, and the Inspiration of the Scriptures; also, as incidental to these topics, on the various forms of Skepticism.

MIDDLE YEAR:

Professor HARRIS will lecture on Systematic Theology. This course will include a full and systematic investigation of the doctrines of Christianity, and of existing questions and controversies in respect to them. The lectures are accompanied by examinations and free discussions.

Professor FISHER will lecture on General Church History, including the following topics: an historical survey of the Old or Preparatory Dispensa-

tion in its relation to Christianity; the establishment and spread of Christianity (including Missions and persecutions); Ecclesiastical Polity (including the rise and rule of the Papacy, and the Reformation); and the History of Christian Life and Worship.

Professor DAY will give instruction in Old Testament Biblical Theology, with special reference to the progressive stages of Divine revelation, and the doctrinal results of the modern critical study of the Bible. He will also lecture on portions of the Hebrew Scriptures, especially the poetical and prophetical books, and will give instruction in Chaldee to such members of the class as may desire it.

Professor HARRIS will lecture on Church Polity.

Professor DWIGHT will continue to give instruction by lectures and recitations, in the exegetical study of the New Testament, especially the Pauline Epistles.

SENIOR YEAR:

Professor BRASTOW will lecture on Practical and Pastoral Theology. These lectures will have reference to the life and practical activities of the Christian church, as connected with the interests of the Kingdom of God, and to the calling, training, and official and personal duties of the Christian ministry. He will also lecture on Homiletics, and will conduct a class exercise in the criticism of sermons and plans of sermons, and have charge of the weekly public rhetorical exercise in the chapel. It is proposed to make these practical exercises a prominent feature in the course. He will, also, give private instruction to each member of the class in connection with the criticism of sermons, and will give aid in the study of Homiletical and General Literature.

Professor FISHER will lecture on the history of Christian Doctrine and on Symbolical Theology, and students will be aided in pursuing historical investigations for themselves.

Professor DWIGHT will lecture on some topics of special interest connected with the different books of the New Testament.

Professor DAY will lecture on portions of the Old Testament, and will read, with those who wish to prosecute the study of Syriac, the Peshito version of the New Testament.

Professor RUSSELL will give instruction in New Testament Biblical Theology.

GRADUATE CLASS—FOURTH YEAR:

Into this class, which was established in 1879, only those who have completed a three years' course in this or some other Theological School, can be admitted. It is designed to meet the wants of those who desire to pursue an advanced course of general theological study, or to apply themselves to special subjects of reading or investigation in any of the departments of theology, for one year or more, under the advice and direction of the Professors and with the helps furnished by the Seminary and College libraries.

For the present year, the following are the subjects, selected after conference between them and the Professors, to which the whole class, or portions of it, attend. Individual members of the class pursue other branches of theological study by private arrangement with the Professors.

I. PRESIDENT PORTER: Special Topics in Philosophy and Philosophical Theology.

II. PROFESSOR DAY: The Revised Version of the Old Testament, compared with the recent German, Danish, and Norwegian Revisions; Edersheim's Prophecy and History relating to the Messiah read and discussed.

III. PROFESSOR HARRIS: Reading of Dorner's Theology and Martensen's Ethics, General, Individual and Social.

IV. PROFESSOR FISHER: Weiss's Life of Jesus, read and discussed.

V. PROFESSOR DWIGHT: Origin of the Synoptical Gospels; Paul and his Thoughts.

VI. PROFESSOR BRASTOW: Discussion of important topics in Practical Theology.

VII. PROFESSOR RUSSELL: Lotze's Microcosmus.

Optional Studies in either Year:

Professor DAY will read, free of charge, with those students who desire to become familiar with the theological literature of Germany and have made sufficient progress in the language, some standard work in German on Christian doctrine, with critical remarks, and reference to the ablest works on special topics. The grammatical study of the language may be pursued with the classes in the Sheffield Scientific School.

Professor WHITNEY will give instruction to those who desire it in Sanskrit.

The following courses of lectures in the Academical Department may be attended, free of charge, provided that they do not interfere with the regular studies of the Seminary: on *Intellectual and Moral Philosophy*, by President PORTER and Professor LADD; on *Evolution and Cosmogony*, by Professor DANA; on *History*, by Professor WHEELER; on *Political and Social Science*, by Professor SUMNER. Students may also be admitted to the various courses of lectures in the Sheffield Scientific School. These opportunities for obtaining wider culture, without additional expense, will be of special value to graduates of colleges and others, who desire the means of pursuing studies to which they have not attended, or in which they seek further information.

Those who intend to become Foreign Missionaries have the privilege of attending the lectures in the Medical Department, on the payment of the matriculation fee of five dollars.

EXERCISES IN PUBLIC SPEAKING—There will be an exercise for all the classes, in the presence of the Faculty, once in two weeks, in the reading of the Scriptures and hymns, and in the delivery of sermons, or parts of sermons or addresses. Every alternate week there will be a conference, designed to cultivate the power of *extemporaneous speaking*, in which the students will be called on to present their views on some subject selected by the Faculty. Weekly debates are also held by the students, in societies of their own.

ELOCUTION:

A thorough course of instruction in Elocution will be given to the students, which will be progressive in its character and will extend through the three years of study for each class.

To the Junior Class a full course of lectures will be given on the principles of logical and emotional analysis and expression, and on oratorical action and vocal culture. This will be followed by individual practice in speaking and reading.

In the Middle year will be added extended and frequent special practice in Scripture and Hymn reading and the reading and delivery of sermons.

To the Senior Class the instruction will be given mainly in private lessons, and will be designed to meet, so far as may be possible, the special needs of each individual in his preparation for the duties of the preacher's office.

LICENSE TO PREACH—The regular time for applying for a license is at the close of the second year's study, before which time members of the Department are not allowed to preach.

PUBLIC WORSHIP—Prayers are attended every morning in the MARQUAND Chapel, with reading of the Scriptures and singing. It is optional with the student whether to attend the College Church, or one of the City Churches; but whatever may be his decision, it is hoped that he will actively engage, so far as may not be inconsistent with the prosecution of his studies, in some form of City Mission, Sabbath School, or other benevolent labor, for which constant opportunities are offered.

LIBRARIES—The *Reference Library* of the School, established through the liberality of Mr. Henry Trowbridge, of New Haven, and containing a careful selection of nearly three thousand volumes in various languages, is placed in the Bacon Memorial Hall, recently erected between the Marquand Chapel and the West Divinity Hall. It is designed to furnish the students with the standard and most recent books in every branch of theological literature and those most frequently called for in the pursuit of their studies. It is open several hours daily, for consultation, and thus takes the place, for each student, of a well selected private library.

The valuable *Library of Church Music*, belonging to the late Dr. Lowell Mason, has been given to this Department by his family. This Library, which is placed in the West Divinity Hall, and is one of the largest of the kind in the country, will be open for the use of students.

The *College Library*, to which the students have access without charge, contains over 125,000 volumes, and is open five hours on every secular day for consultation and for the drawing of books. The Library of the College literary societies, containing about 28,000 volumes in general literature, is accessible to theological students.

PHYSICAL EXERCISE—The College Gymnasium is open to the students of this Department at a small charge. The harbor

of New Haven affords excellent facilities for boating, to those inclined to this mode of exercise.

THE ROOMS in the two DIVINITY HALLS are provided with carpets, beds, and every necessary article of furniture (except bedding). They are assigned to new students in the order of application. A few rooms have two bedrooms, attached to them, but, in general, provision is made for each student to room alone. The buildings are warmed throughout by steam, and lighted by gas.

EXPENSES AND PECUNIARY AID—Students have only to make pecuniary provision for about eight months of study annually. In the remaining four months of vacation, from May to September, they are at liberty to engage in Home Missionary or other labor, with remuneration for their services.

The expenses for the annual session are $3.00 to $3.50 a week for board; $25 to $30 for fuel and lights; and $10 a year for care of room and other incidental expenses. There is no charge for instruction, room rent, or use of Libraries.

Students in the Junior, Middle, and Senior Classes, whose circumstances require it, will receive $100 a year from the income of scholarships and other funds belonging to the Department. Additional aid, the amount of which has generally been from $75 to $100 annually, is afforded by the American College and Education Society to its beneficiaries. In special cases additional aid towards the expense of board will be given. These means of assistance fully cover the expenses mentioned above.

Members of the Graduate Class will be furnished with rooms free of rent, and no charge will be made for instruction or the use of Libraries.

The Scholarships belonging to the Department bear respectively the names of James Hillhouse, William Leffingwell, George E. Dunham, Normand Smith, E. E. Salisbury, Thomas R. Trowbridge, Charles Atwater, Richard Borden, Samuel Holmes, Charles Nichols, Noah Porter, John DeForest, James Dwight, J. B. Beadle, David Root, Rebecca Breed, Mary Goodman, Orin Fowler, Edward Bull, W. W. Seymour, William S. Eakin, Cassius Welles, and Robert McEwen.

A GRADUATE FELLOWSHIP has been established in this Department, as a memorial of the late Mrs. Aurelia D. Hooker, of New Haven. It was offered for the fifth time to the class

entering in September, 1884, and will be offered for the sixth time to the class entering in September, 1886. It will be assigned at graduation to that member of the class who shall be judged by the Faculty to have made such proficiency in his theological studies as best to qualify him for the advantages offered by this foundation for the further prosecution of the same. The person to whom the scholarship is given receives the annual income ($700) for two years after graduation, and is expected to pursue a course of theological study under the direction of the Faculty, either as a resident at the Seminary, or in case he may prefer to do so, in Europe and Palestine.

After the close of the second year in May, students have frequent opportunities to receive remuneration for preaching in neighboring churches.

In general it may be said, that sufficient aid will be provided for every young man who gives promise of usefulness in the ministry, to enable him, in connection with his own efforts, to complete a course of theological study.

COMMENCEMENT OF THE TERM, VACATION, ETC.—The session for 1885–86 began on Thursday, September 24, and will continue till the third Thursday in May, when the public anniversary is held. The annual examination of the classes and the meeting of the Alumni are held in the same week. The next annual term will begin on Thursday, September 23, 1886.

By thus throwing all the vacations into one, the most favorable season of the year is secured for study, while the opportunity is given, in the four months' vacation, to engage in some form of benevolent labor, in connection with the mission efforts of the churches, or in the service of one of the benevolent societies, by which the practical experience required of the pastor, as well as pecuniary compensation, may be obtained. Should any students prefer to spend the vacation in theological reading, the Professors will counsel them in the choice of books.

THE DEGREE of Bachelor of Divinity is conferred on all members of the Department who at the end of the Senior year pass the prescribed examination, and present an approved thesis on some topic of theology.

Blank forms of application for admission may be obtained of the Secretary, Professor George E. Day, New Haven, Conn., or from any of the other professors.

DEPARTMENT OF MEDICINE

THE FACULTY consists of the President of the College, a Professor of Chemistry, a Professor of Anatomy, a Professor of Physiology, a Professor of Materia Medica and Therapeutics, a Professor of Pathology, a Professor of the Principles and Practice of Medicine, a Professor of Surgery, a Professor of Obstetrics and the Diseases of Women and Children, and a Professor of Clinical Gynæcology. These are assisted in instruction by a Demonstrator of Anatomy, a Lecturer on Normal Histology, a Lecturer on Dermatology, a Lecturer on Diseases of the Nervous System, a Lecturer on Insanity, a Lecturer on Ophthalmology, a Lecturer on Public Hygiene, an Assistant in Pathology, and an Assistant in Chemistry.

The system of instruction is arranged in a graded course, extending over three full years.

The College year extends from the first Thursday in October to Commencement, with a vacation of three weeks at Christmas, and a recess in the spring, usually of one week.

The first term begins with the first Thursday of October, and continues for eleven weeks. The second term begins three weeks after the close of the first, and continues for twelve weeks. The third term is eleven weeks in length, ending at Commencement.

Throughout the year instruction is given by lectures, and recitations, combined with practical work in Anatomical, Chemical, Physiological, Pathological, and Histological Laboratories.

TERMS OF ADMISSION

All candidates for admission, excepting those who have passed an examination for admission to the undergraduate Academical Department of Yale College or some similar institution, must present a degree in Letters or Science from a recognized college or scientific school, or pass an examination in the following subjects:

1. MATHEMATICS: Algebra to Quadratics; Euclid, two books; Metric System of Weights and Measures.

2. PHYSICS: Balfour Stewart's Elementary Physics, or some equivalent work.

These examinations are conducted in writing. Grammar, spelling, and construction are considered in judging of the papers. Copies of the questions of previous examinations will be furnished on application to the Dean.

These examinations will be held at the Medical College at 9 A. M., on the Wednesday preceding the opening of the College year, and on the Thursday following its close.

In conjunction with other Departments, examinations will be held on the Thursday after Commencement in Chicago, Cincinnati, and San Francisco. Particulars of the time and place will be announced in the local papers. A fee of five dollars will be charged for admission to these examinations.

Students applying for admission who are not fully prepared in all the above mentioned studies, will be admitted on condition that the deficiency be made up within a reasonable time.

Students who have studied elsewhere, either in any recognized Medical School, or under private preceptors of good standing, may present themselves for examination three weeks before Commencement, and enter the examinations of the first one or two years as they see fit. The results of the examinations will determine the class to which they belong.

Applicants for advanced standing who present themselves at other times of the year, will be assigned by the Dean to such class as they may from their representations seem to be fitted for; but at the next annual examination, they will be examined as if appearing then for the first time.

COURSE OF INSTRUCTION

JUNIOR YEAR:

General Chemistry: Lectures and recitations, four times a week, Professor Smith and Dr. Lockwood. Chemical Laboratory, four times a week, Professor Smith and Dr. Lockwood.

Anatomy: Lectures and recitations, five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections, four times a week from November 1 to April 1, Dr. C. P. Lindsley. Autopsies, Professor White.

Histology: Laboratory work, once a week, Dr. Prudden.

Physiology: Recitations, twice a week, Professor Thacher.

MIDDLE YEAR :

Anatomy: Lectures and recitations, five times a week, Professor Sanford and Dr. C. P. Lindsley. Dissections, four times a week from November 1 to April 1, Dr. C. P. Lindsley.

Materia Medica and Therapeutics: Lectures and recitations, three times a week, Professor Russell.

Physiology: Lectures and recitations, twice a week, Professor Thacher.

Pathology: Lectures and recitations, once a week, Professor White. Laboratory work, once a week, Professor White and Dr. Wheeler. Autopsies, Professor White.

Medicine: Lectures on General Medicine, three times a week, Professor C. A. Lindsley. Medical Clinic, once a week, Professor C. A. Lindsley.

Surgery: Lectures on General Surgery, three times a week, Professor Carmalt. Surgical Clinic, once a week, Professor Carmalt.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Professor White. Clinic for Diseases of Women, once a week, Professor Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

SENIOR YEAR :

Pathology: Lectures and recitations, once a week, Professor White. Laboratory work, once a week, Professor White and Dr. Wheeler. Autopsies, Professor White.

Medicine: Lectures on General Medicine, three times a week, Prof. Lindsley. Medical Clinic, once a week, Professor Lindsley. Lectures on Diseases of the Nervous System, once a week, Dr. Ayres. Lectures on Insanity, once a week, for nine weeks, Dr. Stearns. Lectures on Dermatology, once a week, Dr. Fleischner.

Surgery: Lectures on General Surgery, three times a week, Professor Carmalt. Surgical Clinic, once a week, Professor Carmalt. Lectures on Ophthalmology, once a week, Dr. St. John.

Obstetrics and Diseases of Children: Lectures and recitations, twice a week, Professor White. Clinic for Diseases of Women, once a week, Professor Beckwith.

Dispensary Clinics, daily. Hospital Clinics, weekly. Operations at the Hospital.

CHEMISTRY—The instruction in Chemistry is given by experimental lectures and recitations, and by laboratory work. The latter includes Qualitative and the elements of Quantitative Analysis, Physiological and Pathological Chemistry. Toxicology is taught by a special course of lectures and experiments. The subject of Organic Chemistry occupies about one-half of the lecture course. Graduates and other advanced students are received into the laboratory and supplied with the means for original investigation.

ANATOMY is taught by recitations and lectures fully illustrated, and by practical work.

The spacious and well-appointed dissecting rooms, under the personal direction of the Demonstrator, are supplied with anatomical material, and are open to students of all classes from November until April.

PRACTICAL NORMAL HISTOLOGY is taught in the laboratory by Dr. T. MITCHELL PRUDDEN. Each student is furnished with a microscope and the requisite accessories, and is taught how to prepare and study the tissues and organs, of which he makes sketches and a typical collection of his own for future reference.

PATHOLOGY is taught by lectures and recitations, and by practical work with the microscope in Pathological Histology. In this course students are taught to prepare and preserve microscopic specimens of morbid tissues.

Pathological Anatomy is illustrated by a large collection of specimens and drawings, with which the Museum is supplied, supplemented by fresh pathological specimens. Students are also expected to attend all the *Autopsies* made at the *Morgue of the State Hospital.* This large and convenient Morgue was constructed with special reference to rendering autopsies available for the instruction of students.

PHYSIOLOGY is taught in lectures and colloquial recitations freely illustrated by experiments. Able and industrious students, who wish to pursue the subject more extensively and thoroughly, will be received into the physiological laboratory.

MATERIA MEDICA AND THERAPEUTICS—Recitations from textbooks are the chief means of instruction in Materia Medica. But the botany, physical character of drugs, and chemical constitution, receive much less attention than their physiological actions and therapeutic uses. The lectures are devoted more particularly to the elucidation of the latter subjects.

PRACTICE OF MEDICINE—The instruction in this branch of study is given by both lectures and recitations, the purpose being to give students the advantages of either method, whichever by the nature of the special topic may seem most practical.

A CLINIC is held weekly at the college at which students in the Senior Class are required to make personal examination of patients and present diagnostic points for criticism.

SURGERY — The instruction in *Surgery* consists of three didactic lectures and one clinic weekly. Care is taken to individualize the instruction to the requirements of each student, and to familiarize all with the actual appearance of diseases as shown in the wards of the General Hospital, as also with the most modern methods of examination and diagnosis. A surgical clinic is held once a week at the State Hospital.

The Senior Class are afforded opportunities for practical operations in Surgery upon the cadaver.

Dr. St. John lectures once a week on Ophthalmology.

OBSTETRICS AND DISEASES OF WOMEN AND CHILDREN are taught by lectures and recitations, with demonstrations of the operations in midwifery. The Senior Class receive clinical instruction in obstetrics at the bedside.

GYNÆCOLOGY is taught by lectures and clinics.

SPECIAL COURSES are conducted by Dr. Ayres on Nervous Diseases; Dr. Stearns, of Hartford, on Mental Diseases; Professor Brewer, on Public Hygiene; Dr. St. John, of Hartford, on Ophthalmology; Dr. Fleischner, on Dermatology; and a brief course of lectures by Leonard Waldo, S.D., on Thermometry.

MEDICAL JURISPRUDENCE—Several of the professors give lectures on Medical Jurisprudence as it is related to their respective departments of instruction.

THE STATE HOSPITAL, containing over a hundred beds, constantly affords ample material for the illustration of disease, and furnishes frequent opportunities for the performance of the minor and capital surgical operations.

CLINICS

A SURGICAL CLINIC is held at the College at 3 P. M. every Tuesday, and a MEDICAL CLINIC at 3 P. M. every Friday; a GYNÆCOLOGICAL CLINIC is held at the State Hospital at 3 P. M. every Thursday.

MEDICAL AND SURGICAL CLINICS are also held at the State Hospital, and the students are invited to see the patients in the wards. Surgical operations are conducted, when practicable, in the amphitheatre, where students have opportunity to witness important operations.

THE NEW HAVEN DISPENSARY, located on the College grounds, is visited by several thousand patients annually.

Three of the attending physicians are present daily, giving attention to diseases in their own specialties. Students in the Middle and Senior classes receive free tickets to the Dispensary and are instructed in the diagnosis and treatment of special diseases.

REQUIREMENTS FOR A DEGREE

Every candidate must be twenty-one years of age, and of good moral character; he must have pursued medical studies for three years, two of which must have been in a recognized medical college, and the last of which must have been at this school; he must have passed the required examinations in all the studies of the three years' course.

EXAMINATIONS

Examinations are held at the close of each year on the studies of that year. The examinations at the end of the first year are upon Chemistry, Histology, and Elementary Physiology.

Those at the end of the second year are upon advanced Physiology, Anatomy, Materia Medica and Therapeutics.

Those at the end of the third year are upon Pathology, Surgery, Medicine, and Obstetrics.

FEES AND EXPENSES

Matriculation Fee (paid upon entering the school),	$ 5.00
Tuition Fee, for one year,	125.00
Graduation Fee,	30.00

Of the tuition fee for the year, $45 is due at the beginning of the first term, $45 at the beginning of the second term, and $35 at the beginning of the third term. Students who have attended and paid for two full years will be entitled to attend the third year at three-fifths the above rates. Fees are to be paid to the College Treasurer, except the graduation fee, which is paid to the Dean.

There are no extra expenses of any kind, except the actual cost of breakage in the Chemical Laboratory, to be paid to the Professor of Chemistry, and $5 a part for anatomical material, to be paid to the Demonstrator.

BOND—Students who do not pay in advance are required to give a bond to the Treasurer of the College for three hundred dollars, executed by a satisfactory bondsman; a blank for this

bond will be furnished on application to the Treasurer. Those who deposit such bond will receive term bills, with interest added, shortly before the end of each term, to be paid on or before the beginning of the next succeeding term, and students who deposit bonds must pay all arrearages before they can receive back their bonds from the Treasurer. No degree can be conferred until all term bills are discharged.

For further information, address Professor Herbert E. Smith, Dean.

PRIZE

THE KEESE PRIZE — The income of "The Keese Prize Fund," amounting to about $120 annually, is awarded by the Faculty to that member of the graduating class who presents the best thesis. If, among the theses offered, none are of sufficient merit, the prize may be withheld for that year. The theses must be presented to the Dean on the second Saturday before Commencement.

DEPARTMENT OF LAW

THE FACULTY consists of the President of the College; a Professor of Evidence; a Professor of Elementary Law, Criminal Law and Procedure, and the Law of Real Property; a Professor of Constitutional Law, Corporations, Contracts, and Wills; a Professor of the Law of Torts and Equity Jurisprudence; a Professor of Contracts and Pleading; and a Professor of International Law. Lectures are also delivered by Professor PHELPS on Evidence, by Professor WAYLAND on English Constitutional Law and History, Professor ROBINSON on Forensic Oratory, the Administration of Estates, and Conveyancing, MARK BAILEY, M.A., on Forensic Elocution, Professor BALDWIN on Roman Law, Professor PLATT on General Jurisprudence, Hon. WILLIAM E. SIMONDS, LL.B., on Patent Law, and by Hon. MORRIS W. SEYMOUR, LL.B., on Corporations.

TERMS AND VACATIONS—There are three terms in each year: the Fall term, beginning thirteen weeks from the day after Commencement, and continuing to the Thursday before Christmas; the Winter term, beginning in January, after a vacation of three weeks, and lasting eleven weeks; and the Spring term, beginning after a vacation of two weeks, and continuing until Commencement. (See Calendar, p. 4.)

COURSE OF INSTRUCTION

UNDERGRADUATE COURSE

The Undergraduate course occupies two years, the students being divided into two classes, for each of which a special course of study is provided. The daily exercises consist of lectures and recitations from standard text-books, the latter being accompanied by oral explanations. The students are frequently referred to the leading cases on the subject under consideration, and are required to be prepared for questions upon them at the next exercise; they are also encouraged to put questions freely to the instructor at all recitations. Moot Courts are regularly held, at which one of the professors acts as judge; the students acting as counsel, in the argument of cases, are required to draw the necessary pleadings, according to the common law or equity forms, as the case may be.

Members of either Class can attend the lectures of Professors to undergraduates in other Departments of the College, whenever it is compatible with their other engagements; and, with a few exceptions only, without charge. They can also attend one or more of the special courses of graduate instruction in the Department of Philosophy and the Arts, or the lectures on Medical Jurisprudence, Anatomy, Insanity, etc., in the Department of Medicine, on payment of a moderate fee.

The regular course of study is as follows:

JUNIOR YEAR:

Professor WAYLAND: Recitations,—Evidence; Lectures,—English Constitutional Law.

Professor ROBINSON: Recitations,—Elementary Law, Criminal Law, Real Property.

Professor BALDWIN: Recitations,—Contracts, Corporations; Lectures, —Nature and History of American Law, Wills.

Professor PLATT: Recitations,—General Jurisprudence, Torts; Lectures, —Jurisprudence.

Professor TOWNSEND: Recitations,—Pleading, Contracts; Lectures,—Code Pleading.

Professor WOOLSEY: Recitations,—International Law.

Mr. BAILEY: Lectures,—Forensic Elocution.

SENIOR YEAR:

Professor PHELPS: Lectures,—Evidence.

Professor ROBINSON: Recitations,—Real Property, Criminal Procedure; Lectures,—Estates, Conveyancing, Forensic Oratory.

Professor BALDWIN: Recitations,—Contracts, Corporations; Lectures,—American Constitutional Law, Public Corporations, Roman Law, Practice.

Professor PLATT: Recitations,—Equity.

Professor TOWNSEND: Recitations,—Contracts.

Professor WOOLSEY: Lectures,—International Law.

Mr. SEYMOUR: Lectures,—Private Corporations.

Mr. SIMONDS: Lectures,—Patents.

Any one or more of these studies may be pursued by those who do not intend to engage in the practice of the Law, but wish to obtain a knowledge of its principles to complete their education, or with reference to mercantile pursuits.

The text-books used are, in Junior year, Robinson's Elementary Law, Bishop or Wharton on Criminal Law, Holland on Jurisprudence, Cooley on Torts, Parsons on Contracts, Heard or Gould on Pleading, Woolsey's Introduction to the Study of International Law, Greenleaf on Evidence, vol. i, Morawetz on Private Corporations, and Washburn or Tiedman on

Real Property; in Senior year, Parsons on Contracts, Bispham on Equity Jurisprudence, Morawetz on Private Corporations, Washburn on Real Property, Greenleaf on Evidence, vol. ii, and Bishop or Wharton on Criminal Law and Criminal Procedure.

Students are also expected to read during this course, in connection with their regular exercises, Blackstone's and Kent's Commentaries.

At the close of the Spring Term, each class is subjected to a written examination on the studies of the preceding year.

TERMS OF ADMISSION — Applicants for admission to the Junior Class must be at least eighteen years of age, and must produce certificates of good moral character. No student who has not taken a degree from some collegiate institution, will be admitted as a candidate for a degree, until he has passed a satisfactory examination on the outlines of the History of England (Green's History of the English People is recommended) and of the United States, and the text of the Constitution of the United States. This examination will be conducted in writing, and the style of the composition and orthography in the answers as written, must be satisfactory to the examiners.

Those, however, will be excused from this examination who present a certificate that they have passed a "Regents' Examination for Law Students," conducted under the authority of the Board of Regents of the University of the State of New York.*

To entitle a person to admission to advanced standing as a member of the Senior Class, he must be at least nineteen years of age; must, if a college graduate, have studied law under a competent instructor, or at the law school of some college or university, for at least one year; must, if not a college graduate, have studied law under a competent instructor for at least two years, or at a law school for at least one year; and must

* The Regents' Examinations are held at New York City and at the various Academies in the State of New York, in the Fall, Winter, and early Summer of each year; also at New York City in April; also at Albany at the office of the Regents, at any time, at the convenience of candidates. The exact dates can be learned by writing to the Secretary of the Board of Regents, Albany, N. Y.; or to Professor Wayland, New Haven, Conn.

The subjects of examination are Arithmetic, English Grammar, Orthography, American History, English History, and English Composition. By the rules of admission to the bar of New York, all applicants, not college graduates, must have passed a Regents' Examination before or within three months after beginning their legal studies.

pass such examination as is required for those entering the Senior Class in the regular course, or produce a "Law Student's Certificate" from the Regents of the University of the State of New York. Attorneys at law of any State are entitled to admission to the Senior Class without examination, on the exhibition of their certificates of admission to the bar.

While time spent at another Law School will be reckoned, to the extent above mentioned, as equivalent to an equal length of time in this school, on the part of those applying for admission to advanced standing, it will be observed that the same examination is required in such cases as in all others. But students who have spent a year in another Law School may, if they prefer, upon entering this school, be examined in such studies only as they have pursued in the other, their examination in the other required branches being deferred to the close of the year. The same privilege will be extended to those who have been pursuing their studies under competent instructors.

Applicants for admission to advanced standing may either attend the regular annual Junior examination, which begins the second week before Commencement, or pass a special examination at the beginning of the Fall Term, at which it will be sufficient if they are prepared to be questioned on Parsons on Contracts (excepting only from vol. i, pages 9 to 40, 217 to 233, and 492 to 610; and from vol. ii, pages 1 to 32, 60 to 85, 257 to 614, and 787 to 801; and from vol. iii, pages 102 to 153, 234 to 285, 350 to 423, and 525 to 557), Robinson's Elementary Law, Heard, Chitty, Gould, or Stephen on Pleading, Greenleaf on Evidence, vol. i, Cooley on Torts, Washburn on Real Property, vol. i, Morawetz on Private Corporations, to page 186, and the elementary principles of testamentary law.

Special students, not candidates for a degree, are admitted to any of the exercises of the school without examination.

GRADUATE COURSE

The first year of the graduate course is open without examination, to graduates from any Law school, having the degree of LL.B.

The last year is open only to those who have successfully completed the studies of the preceding year, and received the degree of Master of Laws (M.L.); a preliminary examination

upon the outlines of Roman Law and Roman History, must also be passed, by all who have not taken their bachelor's degree at some Law School where Roman Law is a regular study. The degree of Doctor of Civil Law (D.C.L.) may be applied for at the end of this year, by those who have been graduated at some collegiate institution as Bachelor of Arts or Philosophy; or who are graduates of this Department, and attained a prescribed standard of scholarship on their examinations both for the degree of LL.B. and for that of M.L. A good knowledge of either the French or German language, as well as of Latin, will also be required, and the Faculty will present no one for the doctor's degree, who has not attained a high standard of proficiency in the studies pursued.

Neither degree is conferred except upon candidates who pursue their studies at New Haven under the direction of the Faculty, pass with credit a strict final examination on all the studies of the year, and present a satisfactory thesis.

The arrangement of this course is as follows:

FIRST YEAR:

Professor ROBINSON; Recitations,—Patents.

Professor BALDWIN: Recitations,—Railroad Law, Practice in U. S. Courts; Lectures,—American Constitutional Law.

Professor PLATT: Recitations,—Municipal Corporations, Practice under systems of Code Pleading.

Professor TOWNSEND: Recitations,—Admiralty Law.

Professor WOOLSEY: Lectures,—International Law.

Professor SUMNER: Lectures,—Political History and Science.

Professor A. M. WHEELER: Lectures,—English Constitutional History.

Mr. HADLEY: Lectures,—Railway Management.

SECOND YEAR:

Professor ROBINSON: Lectures,—Canon Law.

Professor BALDWIN: Recitations,—Code Napoléon, Conflict of Laws.

Professor PLATT: Recitations,—General Jurisprudence.

Professor SUMNER: Lectures,—Political and Social Science.

Mr. A. S. WHEELER: Recitations,—Roman Law.

Mr. HADLEY: Lectures,—Economics of Transportation.

EXAMINATIONS—There will be preliminary examinations of candidates for admission to the Junior Class at the opening of the Fall Term, and also on July 1, 1886, in Chicago, Cincinnati, and San Francisco, at places which will be announced in the local newspapers of the day previous. Candidates who propose to be present (elsewhere than at New Haven) are requested to send their names to Professor Wayland, before

June 1st. A fee of five dollars is charged for admission to examination outside of New Haven.

Candidates for admission to the Senior Class will be examined at the end of the Spring Term, or at the beginning of the Fall Term.

Seniors will be examined for a degree, only at the close of the Spring Term.

In the undergraduate course there are certain studies upon which all students are examined at the close of the year, and others upon which only those who desire are examined. The award of "honors" is confined to those who pass both examinations.

The junior "pass" examination includes the studies of the year in Elementary Law, Contracts, Pleading, Evidence, Torts, Wills, Real Property, Criminal Law, and Private Corporations. The Junior "honor" examination will include the studies of the year in Jurisprudence, and International Law, and such other branches as the Faculty may from time to time prescribe. The Senior "pass" examination includes the studies of the year in Contracts, Real Property, Equity, American Constitutional Law, Patents, Public and Private Corporations, and Estates. The Senior "honor" examination will include the studies of the year in International Law, Roman Law, and Criminal Procedure, and such other branches as the Faculty may from time to time prescribe.

Examinations for degrees in the graduate course will be held at the close of the Spring Term.

Every candidate for a degree, both in the undergraduate and graduate courses, must also submit a written thesis on a given legal topic, which must be approved by the Faculty.

LIBRARY, PRIZES, etc.—The special Library of the Department, which has a permanent endowment for its support (the English Fund*), contains over eight thousand volumes, comprising a complete collection of the English, American, Irish, and Canadian Reports of judicial decisions, and an extensive collection of text-books and works on Jurisprudence and Political History and Philosophy. The consulting room is also supplied with the leading legal periodicals. The Library is open daily, during term time, from 8.30 A. M. to 12.45 P. M., and from 2 to 5.30 P. M. (with the exception of Saturday afternoon); during vacation it is not open until 9 A. M.

* Established by the Hon. James E. English, M.A., in 1873.

The students can also draw books from the general College libraries, containing over 150,000 volumes.

The following prizes are open to competition:

THE TOWNSEND PRIZE,* of $100, to that member of the Senior Class of the Law School who shall write and pronounce the best oration or thesis at the public anniversary exercises on his graduation.

THE JEWELL PRIZE,† of $50, to that member of the Senior Class of the Law School, who receives the highest marks at the final examination of his class, at their graduation.

THE BETTS PRIZE‡ ($50), to that member of the Junior Class who receives the highest marks at his annual examination.

THE O. S. SEYMOUR PRIZE§ ($60), to that member of the graduating class who, in the opinion of the Faculty, has made the greatest improvement in scholarship during both years of his course.

The Department occupies an entire story of the Court House of New Haven County, facing the Green, and opposite to the main front of the older College buildings. It has, upon the same floor, two lecture-rooms, a large library hall, the office of the Dean of the Faculty, and other apartments furnishing every convenience for quiz-clubs and debating societies.

Two terms of the Supreme Court of Errors of Connecticut, one term of the United States Circuit Court, and two terms of the United States District Court, are held annually in New Haven; and the Superior Court and Court of Common Pleas, the principal *nisi prius* Courts of the State, are also in session almost daily, during each of the Law School terms.

The College Gymnasium is open to members of the Law Department, on payment of moderate fees.

DEGREES—In the undergraduate course the degree of Bachelor of Laws will be conferred by the Corporation, upon the recommendation of the Faculty of the Department, based on a satisfactory "pass" examination and the submission of a satisfactory thesis, on the following persons:

1st. Attorneys at Law, who have been members of the Department for one year after their admission to the Bar.

* Established by the Hon. James M. Townsend, in 1874.

† Established by the Hon. Marshall Jewell, M.A., in 1871.

‡ Established by Frederic H. Betts, M.A., in 1875.

§ Established by the family of the late Hon. Origen S. Seymour, LL.D., in 1885.

2d. Students who have been members of the Department for not less than two years, and who passed satisfactorily the Junior "pass" Examination at the end of their first year.

3d. Students who have been admitted to advanced standing as members of the Senior Class, and have remained in that Class for not less than one year.

The examination for the degree is mainly in writing, and is conducted under the supervision of an examining committee, appointed by the Superior Court, and the successful candidates, if twenty-one years of age, may be thereupon admitted to the Connecticut Bar. An oral examination is also had, upon one or two studies, before members of the Bar from different States, appointed for the purpose.

In the graduate course the degrees of Master of Laws (M.L.) and Doctor of Civil Law (D.C.L.) are conferred under the conditions specified on pages 100, 101.

Degrees are awarded, in cases of students of unusual merit, *cum laude*, *magna cum laude*, or *summa cum laude*.

EXPENSES—The fees for tuition and use of the library in the undergraduate course are $45 for the Fall Term, $35 for the Winter Term, and $35 for the Spring Term, or $100 for the entire year; and in the graduate course, for the first year, $50 for the Fall term, $40 for the Winter Term, and $40 for the Spring Term, or $125 for the whole year; and for the second year, $80 for the Fall Term, $70 for the Winter Term, and $70 for the Spring Term, or $200 for the whole year; to be paid to the Treasurer of the College in advance, or secured by a bond with surety, to his satisfaction. Where payment is not made in advance, interest will be added. The diploma fee is $5, and the Court fees for admission to the Bar are $8. A further fee of $5 is chargeable for admission to practice in the United States Courts for the District of Connecticut, if this is also desired. The tuition charges for special students, not candidates for a degree, vary in proportion to the amount of instruction and supervision required, but will never exceed those made in the regular course.

Board and lodgings can be obtained at prices ranging from $5 a week upwards.

For further particulars, inquiries may be addressed to Professor Francis Wayland, Dean of the Faculty, New Haven, Conn.

PEABODY MUSEUM OF NATURAL HISTORY

TRUSTEES:

PROFESSOR JAMES D. DANA, PH.D., LL.D., *Chairman*
HIS EXCELLENCY HENRY B. HARRISON, LL.D., *ex-officio*
THE HONORABLE ROBERT C. WINTHROP, LL.D.
PROFESSOR GEORGE J. BRUSH, M.A.
PROFESSOR OTHNIEL C. MARSH, M.A., *Treasurer*
GEORGE PEABODY WETMORE, M.A.
PROFESSOR EDWARD S. DANA, PH.D.

CURATORS:

OTHNIEL C. MARSH, M.A., *Curator of the Geological Collection*
ADDISON E. VERRILL, M.A., *Curator of the Zoological Collection*
EDWARD S. DANA, PH.D., *Curator of the Mineralogical Collection*

The gift of the founder, GEORGE PEABODY, of London, was committed to the Board of Trustees, in 1866, "to found and maintain a Museum of Natural History, especially in the departments of Zoology, Geology, and Mineralogy, in connection with Yale College." Of the entire gift ($150,000), $100,000 was devoted by the donor to the erection, on land given for the purpose by the President and Fellows of the College, of a fire-proof building, planned with special reference to subsequent enlargement. Of the remainder of the gift, the sum of $20,000 is set apart as a reserve fund for the completion of the building, and the income of $30,000 is available for the care of the Museum and the increase of its collections.

By the accumulations from investment of the original building-fund, the first wing of the Museum has been completed, at a cost of about $140,000, or with cases, $175,000.

The basement will be used for exhibiting the collection of fossil footprints from the Connecticut valley, and for work-rooms and store-rooms. The first story contains the Mineralogical Collection, and rooms for instruction in Mineralogy, as well as a general lecture-room. The second story is entirely devoted to Geology, and the third to Zoology. The fourth story is used for the collection in Archæology and Ethnology, and for store-rooms.

So far as the collections are arranged, the Museum is open to students and the public every day in term-time.

THE OBSERVATORY

BOARD OF MANAGERS:

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JACOB CAMPBELL, Esq., of New York City
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OFFICERS:

ROBERT BROWN, M.A., *Secretary*
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WILLIAM L. ELKIN, PH.D.
ASAPH HALL, JR., B.A.

THE OBSERVATORY has been built from the avails of the gift of the late Hon. Oliver F. Winchester, on land given by the late Mrs. Cornelia L. Hillhouse and her daughters. The principal astonomical instruments now in use are a six-inch Heliometer constructed by Messrs. Repsold, of Hamburg, and an eight-inch Equatorial by Messrs. Grubb, of Dublin, given by Mr. Edward M. Reed, of New Haven.

Besides its ordinary astronomical work, the Observatory has established two public services designed to supplement the work now in progress at other Observatories in the United States, and to afford such facilities to the Horological arts and to persons interested in accurate Thermometry, as are given at several of the prominent Observatories in Europe.

For the proper performance of these services the following equipment is in use:

1. Standard clocks, transit instruments, chronographs, and the accessories for refined accuracy in the determination and transmission of time.

2. A complete arrangement for the testing of chronometers, watches, and clocks, in the various positions and conditions of temperature, arranged with reference to the safety against fire and theft of such instruments while in the care of the Observatory.

3. Apparatus for an extended (automatic) public time service.

4. Apparatus for research and comparison in Thermometry, including a collection of the best thermometers obtainable of the foreign makers and observatories which devote special attention to thermometric standards.*

* Descriptive Circulars of the above services may be obtained by addressing the Observatory.

LIBRARIES

ADDISON VANNAME, M.A., *Librarian*
FRANKLIN B. DEXTER, M.A., *Assistant Librarian*
J. SUMNER SMITH, B.A., *Librarian of Linonian and Brothers Library*

THE COLLEGE LIBRARY numbers about 125,000 volumes, besides many thousand unbound pamphlets. It is designed for the use of the College officers, resident graduates, and the students of the various Departments. Other persons may have the privilege of consulting the Library and drawing books, by permission of the Library Committee. The Library is open daily in term-time from 9½ A. M. to 1 P. M., and from 2½ to 5 P. M., or during the Winter months, to 4½ P. M.

In the same building is the LINONIAN AND BROTHERS LIBRARY, designed primarily for the use of the undergraduate students, and containing about 28,000 volumes. This Library is open daily from 1½ to 2½ P. M.; on Wednesdays and Saturdays from 10 A. M. to 12 M. and from 1½ to 4 P. M.

In addition to the large number of periodicals received at the College Library, there will be found in the Reading Room (in the Cabinet Building) forty daily newspapers, American and foreign, as many weeklies, and fifty periodicals. The Reading Room is open from 9.30 A. M. to 8 P. M. (on Sundays from 1 to 8 P. M.)

The departments of Theology, of Medicine, and of Law, the Sheffield Scientific School, and the School of the Fine Arts, have each a special Library, accessible to the students of those schools respectively.

The Library of the AMERICAN ORIENTAL SOCIETY, numbering about 3,800 printed books and manuscripts, is kept in the College Library building.

SUMMARY.

College Library (exclusive of pamphlets), about .	125,000 vols.
Linonian and Brothers Library, about . . .	28,000 "
Libraries of the Professional Schools, about . .	20,000 "
	173,000 "

APPOINTMENTS FOR COMMENCEMENT,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, JUNE 24, 1885

ORATIONS

LEVI OLMSTED WIGGINS, Valedictory Oration, *Newburgh, N. Y.*
PAUL IRVING WELLES, Salutatory Oration, *Fayetteville, N. Y.*
GUY WARD MALLON, Philosophical Oration, *Cincinnati, O.*
HERBERT HENRY WHITE, Philosophical Oration, *New Haven*
JONATHAN BARNES, Philosophical Oration, *Springfield, Mass.*
EUGENE LAMB RICHARDS, JR., Philosophical Oration, *New Haven*
JOHN CLOYSE BRIDGMAN, Philosophical Oration, *Cleveland, O.*

Herbert Lionel Doggett, *Kansas City, Mo.*
Walter Francis Frear, *Oakland, Cal.*
Edward Augustus George, *Providence, R. I.*
Edward Neblett Hidden, *Cincinnati, O.*
George Edgar Vincent, *Plainfield, N. J.*
Wilbur Lucius Cross, *Gurleyville*
Charles Lyman Carhart, *Peekskill, N. Y.*
John Henry Booth, *Vergennes, Vt.*
James Richard Joy, *Groton, Mass.*
William Procter Morrison, *Cincinnati, O.*

Wilfred James Worcester, *New York City*
Robert James Pitkin, *Pueblo, Col.*
John Dennis Ferris, *Chatham, N. J.*
John Couch Flanders, *Portland, Oregon*
George Stuart Dickinson, *Worcester, Mass.*
George Augustus Sanderson, *Littleton, Mass.*
William Jarvis, *Louisville, Ky.*
Frank Robinson Shipman, *Hartford*

DISSERTATIONS

Atherton Noyes, *Wilmington, Mass.*
Joseph Cornelius Smith, *Brookfield*
Charles Buxton Hobbs, *Brooklyn, N. Y.*
Charles Edward Harris, Jr., *Brooklyn, N. Y.*
George Thomas Linsley, *New Haven*
John Stone Pardee, *New Haven*
Otis Strong, *Auburn, N. Y.*
Charles Samuel Wiley, *Charleston, Ill.*

DISPUTES

Colin Sherman Buell, *Madison*
Lewin Frank Buell, *Madison*
John Winthrop Platner, *Newark, N. J.*
Richard Ellis, *Peekskill, N. Y.*
David Winfield Mulvane, *Topeka, Kan.*
David Plessner, *Holden, Mo.*
Augustin Averill Crane, *New Haven*
Frederic Barnard, *Poughkeepsie, N. Y.*
John Loman, *Philadelphia, Pa.*

William Maxwell, *Rockville*
Oramel Whittlesey Pratt, *Salem*
Lambert Foster, *Plainfield, N. J.*
Herbert Ridgway Green, *Reading, Pa.*
Edwin Franklin Norton, *Preble, N. Y.*
Edward Herrick Chandler, *Auburndale, Mass.*
Lucius Franklin Robinson, *Hartford*
William Merle Carhart, *Peekskill, N. Y.*
William Taylor Glidden Weymouth, *Beaufort, S. C.*
George Fitch Stacy, *Stacyville, Iowa*
Lucius Olmsted Baird, *Chicago, Ill.*
Clifford Butler Allen, *St. Louis, Mo.*
Harry Goodnow Chase, *Chicago, Ill.*
Manly Dayton Ormes, *Tuscola, Mich.*

COLLOQUIES

Harlow Stearns Gale, *Minneapolis, Minn.*
Benjamin Kaye Heaton, *Philadelphia, Pa.*
Lyman Plimpton Peet, *West Haven*
Henry Buckelew Cosgrove, *Flatbush, N. Y.*
Henry deForest Baldwin, *New York City*
John Horatio Briggs, *Auburn, Me.*
William Thomas Tomlinson, *Milton, Del.*
Carrington Riverius Stiles, *East Bloomfield, N. Y.*
Richard Salter Storrs, *Orange, N. J.*
Charles Stuart Dodge, *New York City*
Robert Alfred Sands, *New York City*
Frank Van Allen, *Ravenswood, Ill.*
Charles Elbridge Cushing, *Bath, Me.*
Frank Bosworth Brandegee, *New London*
John William Gavin, *New Haven*

William Gregory Green, *New Milford*
George Heber Woodhull, *Baiting Hollow, N. Y.*
Hervey DeLoss Leland, *Utica, N. Y.*
Joseph Hendley Townsend, *New Haven*
James Hall, *New Haven*
Charles Lewis Way, *Hartford*
James Benjamin Keogh, *Chicago, Ill.*
Louis Austin Mansfield, *New Haven*
Philip Parley Hubbard, *Litchfield*

The graduating class numbered one hundred and nineteen.

APPOINTMENTS FOR JUNIOR EXHIBITION,

IN THE UNDERGRADUATE ACADEMICAL DEPARTMENT, MARCH 26, 1885

ORATIONS

WILLIAM ADAMS BROWN, *New York City*
CALVIN DICKEY, *Cincinnati, O.*
JUDSON SHULTZ DUTCHER, *Ellenville, N. Y.*
GEORGE EDWIN ELIOT, JR., *Clinton*
CHARLTON MINER LEWIS, *New York City*
FRANK GARDNER MOORE, *Columbus, O.*
WILLIAM HENRY PARKS, *Clinton*
CHARLES WHEELER PIERSON, *Florida, N. Y.*
EDWARD WINTHROP REID, *Lakeville*

Carl D. Buck, *Bucksport, Me.*
John J. Corkery, *Norwich*
Benjamin J. Davis, *New Haven*
Arthur Goebel, *Covington, Ky.*
Chauncey W. Goodrich, *New York City*
Herbert A. Jaggard, *Altoona, Pa.*
Charles A. Moore, *Columbus, O.*
Arthur S. Phelps, *New Haven*
John C. Schwab, *New York City*

Norman I. Adams, *Boston, Mass.*
Warren A. Adams, *Skaneateles, N. Y.*
Henry S. Ames, *St. Louis, Mo.*
John Beadle, *New Haven*
Abraham L. Fellows, *Norwich*
George O. Fellows, *Norwich*
John K. Griffith, *Cynthiana, Ky.*
Henry E. Hard, *Chicago, Ill.*
Frederick W. Moore, *New London*
Samuel W. Scott, *New Haven*
Arthur L. Shipman, *Hartford*
Edgar C. Stiles, *Hartford*
John Whitmore, *New Haven*
Evans Woollen, *Indianapolis, Ind.*

DISSERTATIONS

Daniel D. Bidwell, *East Hartford*
Wilson L. Cannon, Jr., *Dover, Del.*
William W. Capron, *Albany, N. Y.*
Charles F. Clarke, *Columbia*
Michael F. Connor, *Chicopee, Mass.*
Stanford T. Crapo, *New Bedford, Mass.*
Percy Edgar, *New York City*
David D. Lambert, *New Haven*
Daniel A. Moore, *St. Louis, Mo.*
William E. Nichols, *East Haddam*
John H. Painter, *Kittanning, Pa.*
Frank G. Peters, *Syracuse, N. Y.*
Frederic N. Sewall, *Bath, Me.*
George C. Smith, *Newburgh, N. Y.*
Walter G. Stebbins, *Springfield, Mass.*
Thomas G. Waterman, *Detroit, Mich.*

DISPUTES

Joseph L. Adler, *Cincinnati, O.*
Everett A. Bates, *Danielsonville*
Louis B. Bishop, *New Haven*
Edward N. Brandegee, *Berlin*
Wallace P. Knapp, *New York City*
William McElroy, *Albany, N. Y.*
Henry T. Nason, *Troy, N. Y.*
Henry S. Washington, *Navesink, N. J.*
Frank E. Wing, *Conway, Mass.*
Frederick J. Winston, *New York City*

Benjamin H. Anthony, *New Bedford, Mass.*
Edward B. Morgan, *Denver, Col.*
John F. Roache, *North Andover, Mass.*
William A. Robbins, *Brooklyn, N. Y.*
Edward L. Smith, *Montpelier, Vt.*

COLLOQUIES

Paul K. Ames, *Minneapolis, Minn.*
William P. Brandegee, *Elizabeth, N. J.*
Francis R. Cooley, *Hartford*
Thomas M. Day, Jr., *Hartford*
Henry E. Hord, *Indianapolis, Ind.*
Frederick B. Hungerford, *Adams, Mass.*
George R. Mosle, *New York City*
Edward J. Phelps, *Andover, Mass.*
Floyd R. Smith, *Jersey City, N. J.*
Rollin U. Tyler, *Tylerville*

Bartlett Arkell, *Canajoharie, N. Y.*
George H. Bixby, *Los Angeles, Cal.*
Lawrence W. Churchill, *Oswego, N. Y.*
Gibbons G. Cornwell, *WestChester, Pa.*
William M. Gallup, *Norwich*
William B. Goodwin, *Biddeford, Me.*
Charles J. Griggs, *Waterbury*
James W. Lee, Jr., *Cleveland, O.*
Lucius C. Ryce, *Hartford*
Edward C. Smith, *St. Joseph, Mo.*
Philip B. Stewart, *Middlebury, Vt.*

HOLDERS OF FELLOWSHIPS,

ACADEMICAL DEPARTMENT:

DOUGLAS Fellow—WILBUR F. BOOTH, B.A., Class of 1884.
SOLDIERS' MEMORIAL Fellow—JOSEPH M. LEWIS, B.A., Class of 1883.
SILLIMAN Fellow—JULIUS H. PRATT, JR., B.A., Class of 1882.

DEPARTMENT OF THEOLOGY:

HOOKER Fellow, Class of 1885—GEORGE R. FREEMAN, M.A.

SCHOLARS OF THE HOUSE, ACADEMICAL DEPARTMENT:

BERKELEY Scholar, Class of 1883—EDWARD G. BOURNE, B.A.
BERKELEY Scholar, Class of 1884—CHARLES E. HOLMES, B.A.
BERKELEY Scholar, Class of 1885—JOHN LOMAN, B.A.
CLARK Scholar, Class of 1884—GUSTAVE F. GRUENER, B.A.
CLARK Scholar, Class of 1885—HERBERT H. WHITE, B.A.
W. W. DEFOREST Scholar, Class of 1885—HERBERT H. WHITE, B.A.
FOOTE Scholars—{ EDWARD G. BOURNE, B.A., Class of 1883.
GUSTAVE F. GRUENER, B.A., Class of 1884.
LARNED Scholar, Class of 1882—CARLTON A. FOOTE, B.A.
LARNED Scholar, Class of 1883—JOHN F. CROWELL, B.A.
LARNED Scholar, Class of 1884—JOHN M. BURNAM, B.A.
LARNED Scholar, Class of 1885—HERBERT H. WHITE, B.A.
BRISTED Scholar, Class of 1886—WILLIAM H. PARKS.
WOOLSEY Scholar, Class of 1886—WILLIAM H. PARKS.
WOOLSEY Scholar, Class of 1887—JOHN N. POMEROY.
WOOLSEY Scholar, Class of 1888—THEODORE L. LEVERETT.

OTHER PREMIUMS AWARDED DURING THE YEAR 1884–85:

UNIVERSITY PRIZE:

JOHN A. PORTER Prize—Frank Strong, B.A., of the Junior Class, Department of Law.

ACADEMICAL DEPARTMENT:

HURLBUT Scholarship, Class of 1888—Henry L. Stimson.
THIRD Freshman Scholarship, Class of 1888—Irving Fisher.
DEFOREST Medal, Class of 1885—Wilbur L. Cross.
TOWNSEND Premiums, Class of 1885—Henry deF. Baldwin, John C. Bridgman, Guy W. Mallon, Eugene L. Richards, Jr., Lucius F. Robinson.
COBDEN Club Medal for proficiency in Political Economy, Class of 1885—Paul I. Welles.
1ST Prize for the solution of Astronomical Problems, Class of 1885—Herbert H. White.
SCOTT Prize in German, Class of 1885—Jonathan Barnes.
SCOTT Prize in French, Class of 1886—Charles W. Pierson.
WINTHROP Prizes, Class of 1885—1st Prize, George O. Fellows; 2d Prize, William H. Parks

JUNIOR EXHIBITION PREMIUMS, CLASS OF 1886:

1st Prize, Stanford T. Crapo; 2d Prizes, Arthur Goebel, Henry E. Hard, Charles A. Moore, William E. Nichols, John C. Schwab, Evans Woollen.

PREMIUMS FOR ENGLISH COMPOSITION, CLASS OF 1887:

1st Term: 1st Prizes, William Kent, Yan Phou Lee, William L. Phelps, John N. Pomeroy; 2d Prizes, Andrew F. Gates, George E. Hill, Charles H. Ludington, Jr., James R. Sheffield; 3d Prizes, Carleton L. Brownson, Robert I. Jenks, Joseph W. Middlebrook, Louis H. Peet, Herbert F. Perkins.

2d Term: 1st Prizes, Gerald H. Beard, John Bennetto, DeWitt C. Huntington, Herbert F. Perkins; 2d Prizes, William A. Cornish, William L. Phelps, John N. Pomeroy, James R. Sheffield; 3d Prizes, William Kent, Yan Phou Lee, Clarence T. Morse, Louis H. Peet.

PRIZES FOR DECLAMATION, CLASS OF 1887:

1st Prize, Frank Cochrane, DeWitt C. Huntington; 2d Prize, Yan Phou Lee, Thomas Penney; 3d Prize, James R. Sheffield.

MATHEMATICAL PREMIUMS:

Class of 1887—1st Prize, Thomas H. Curtis; 2d Prize, John N. Pomeroy; 3d Prize, William A. Cornish.

Class of 1888—1st Prize, Irving Fisher; 2d Prizes, Edward F. Ayres, Charles E. Cornwall; 3d Prize, Fred. P. Solley.

BERKELEY PREMIUMS FOR LATIN COMPOSITION, CLASS OF 1888:

1st Grade—Irving Fisher, Theodore L. Leverett, Duncan S. Merwin, Henry L. Stimson, Edward S. Thomas, Herbert C. Tolman; 2d Grade, Charles E. Cornwall, Harry W. McCauley, Benjamin W. Schwab, Bernard C. Steiner. Special Prize, Duncan S. Merwin.

SHEFFIELD SCIENTIFIC SCHOOL:

Class of 1885:

FOR EXCELLENCE IN CIVIL ENGINEERING, John V. Hanna and Geo. E. Verrill.

FOR EXCELLENCE IN DYNAMIC ENGINEERING, Sidney A. Reeve and Frederic B. Wheeler.

FOR EXCELLENCE IN GERMAN, Louis M. Schmidt.

Class of 1886:

FOR EXCELLENCE IN THE MATHEMATICS OF JUNIOR YEAR, William D. Johnson and Henry H. Wadsworth.

SPECIAL PRIZE FOR THE LARGEST COLLECTION OF PLANTS, Marvin D. Hubbell.

Class of 1887:

FOR EXCELLENCE IN ALL THE STUDIES OF THE FRESHMAN YEAR, Robert F. Gibson, with honorable mention of Edgar B. Harger, George B. Richards, Alfred J. Wakeman, Edward G. Williams, and George H. Wood.

FOR EXCELLENCE IN CHEMISTRY, Robert F. Gibson and Edgar B. Harger, with honorable mention of Erwin S. Sperry and George H. Wood.

FOR EXCELLENCE IN PHYSICS, Robert C. Augur, with honorable mention of Robert F. Gibson and Edgar B. Harger.

FOR EXCELLENCE IN MATHEMATICS, Robert F. Gibson, with honorable mention of Robert C. Augur and Charles S. Jewett.

FOR EXCELLENCE IN MECHANICAL DRAWING, Robert F. Gibson.

FOR EXCELLENCE IN GERMAN, Isadore Dyer, Jr., Robert F. Gibson, Charles S. Jewett, George B. Richards, and Frank O. Walther.

FOR EXCELLENCE IN ENGLISH COMPOSITION—1st Prize, Harry L. Hamlin; 2d Prizes, Franklin T. Parlin, George B. Richards; 3d Prizes, Herbert S. Bullard, Arthur M. Everit, Robert F. Gibson, Charles S. Jewett, Oscar H. Short, Frink M. Smith, and Edward G. Williams.

DEPARTMENT OF LAW:

TOWNSEND PRIZE ($100), for pronouncing the best oration at graduation—Wilson Howard Pierce, B.A., Brookfield Center.

Committee of Award: Hon. Xenophon Wheeler, Chattanooga, Tenn.
Hon. Linus M. Child, Boston, Mass.
Hon. John W. Holcombe, Indianapolis, Ind.

JEWELL PRIZE ($50), for the best examination at graduation—Stiles Judson, Jr., Stratford.

O. S. SEYMOUR PRIZE ($50), for best examination in studies of Junior year—Lucius Boltwood, B.A., New Haven.

HONORS:

SENIOR CLASS

Degree of LL.B., *magna cum laude.*

Stiles Judson, Jr., Stratford.
John Grant Tod, Harrisburg, Texas.

Degree of LL.B., *cum laude.*

Francis Davis Chamberlain, B.A., West Chester, Pa.
Alfred Beard Kittredge, B.A., East Jaffray, N. H.
Samuel Clinton Morehouse, Fairfield.
Joseph Robinson Parrott, B.A., Oxford, Me.

JUNIOR CLASS

Honorable mention for excellence at the annual examination:

Lucius Boltwood, B.A., New Haven.
Henry Tweedy Shelton, Jr., B.A., Bridgeport.
Sherman Day Thacher, B.A., New Haven.

The last edition of the Triennial Catalogue of the Graduates was published in 1883. Obituary notices of deceased graduates are published annually.

All persons, who can supply information appropriate to the future editions of the Triennial Catalogue or Obituary Record, are urgently requested to communicate with the Secretary.

The Annual Catalogue will be sent regularly to all graduates who may express the desire to receive it, and who furnish their addresses for the purpose.

For Catalogues and other information, address

THE SECRETARY OF YALE COLLEGE,

NEW HAVEN, CONN.